STIC Search Report
EIC 2100

STIC Database Tracking Number: 145819

TO:	From:
Jacques Veillard **Location: RND 3A30** **Art Unit : 2165** **Thursday, March 24, 2005** **Case Serial Number: 09/750319**	**Geoffrey St. Leger** **Location: EIC 2100** **Randolph-4B31** **Phone: 23450** **geoffrey.stleger@uspto.gov**

Search Notes

Dear Examiner Veillard,

Attached please find the results of your search request for application 09/750319. I searched Dialog's patent files, technical databases and general files.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger
4B30/308-7800

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File 347:JAPIO Nov 1976-2004/Nov(Updated 050309)
         (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200519
         (c) 2005  Thomson Derwent

Set     Items   Description
S1       6861   (SINGLE OR ONE OR LONE OR DISTINCT)(1W)(OBJECT? ? OR ENTITY
            OR ENTITIES OR ITEM? ?)
S2      10596   (HIERARCH? OR TREE? ?)(5N)(CONTAINER? ? OR FOLDER? ? OR ST-
            RUCTURE? ? OR LIST? ?)
S3      44913   (STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN??? OR COMPRIS?-
            ?? OR CONSIST??? OR REPRESENT?)(7N)(CONCEPT? OR IDEA OR IDEAS
            OR ABSTRACT? ? OR THEORY OR THEORIES OR THEORETICAL OR INTANG-
            IBLE OR INDEFINABLE OR ETHEREAL OR DIMENSION?)
S4      81929   (STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN??? OR COMPRIS?-
            ?? OR CONSIST??? OR REPRESENT?)(7N)(COLOR? ? OR COLOUR? ?)
S5         20   S3:S4(10N)S1
S6         13   S5 AND AC=US/PR
S7          9   S6 AND AY=(1970:2000)/PR
S8         12   S5 AND PY=1970:2000
S9         14   S7:S8
S10         3   S1(10N)CONCEPT?
S11       760   CONCEPT? ?(7N)(STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN?-
            ?? OR COMPRIS??? OR CONSIST??? OR REPRESENT?)
S12        50   S11(10N)(HIERARCH? OR TREE? ?)
S13        13   S12 AND AC=US/PR
S14        11   S13 AND AY=(1970:2000)/PR
S15        29   S12 AND PY=1970:2000
S16        35   S14:S15
S17      5662   (SINGLE OR ONE OR LONE OR DISTINCT)(2W)(OBJECT? ? OR ENTITY
            OR ENTITIES)
S18      1180   (STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN??? OR COMPRIS?-
            ?? OR CONSIST??? OR REPRESENT?)(10N)S17
S19      2534   (SINGLE OR ONE OR LONE OR DISTINCT)()(OBJECT? ? OR ENTITY -
            OR ENTITIES)
S20       139   (STOR??? OR REPRESENT?)(7N)S19
S21        65   S20 AND IC=G06F
S22        35   S21 AND AC=US/PR
S23        29   S22 AND AY=(1970:2000)/PR
S24        41   S21 AND PY=1970:2000
S25        47   S23:S24
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16/5/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO

05575653 **Image available**
DATABASE DEVICE

PUB. NO.: 09-190453 [JP 9190453 A]
PUBLISHED: July 22, 1997 (**19970722)**
INVENTOR(s): FUJISAWA HIROMICHI
DEBITSUTO KON
HATAKEYAMA ATSUSHI
KIUCHI ITSUKO
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-326482 [JP 96326482]
FILED: December 06, 1996 (19961206)
INTL CLASS: [6] G06F-017/30; G06F-017/28
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

ABSTRACT
PROBLEM TO BE SOLVED: To provide a database which does not require the maintenance of a knowledge information file for analyzing document structure in a database device for automatically analyzing structure.
SOLUTION: A database device is provided with an input means 502 inputting a word string 501 adding a composite noun phrase, a processing means processing the inputted word string and an output means outputting a processing result. Then, the processing means is provided with a knowledge base 513 which expresses a concept as a node, expresses relation between the **concepts** as a link and **stores** a **concept** network as knowledge, where a **concept tree** is constituted of the nodes and the links and an analyzing means which picks-up knowledge information for judging meaning relation between the plural words in the composite noun phrases existing in the inputted word string by retrieving the concept network.

16/5/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO

05182388 **Image available**
INFORMATION RETRIEVING METHOD

PUB. NO.: 08-137888 [JP 8137888 A]
PUBLISHED: May 31, 1996 (**19960531)**
INVENTOR(s): TAKENO HIROSHI
TANAKA HIROMI
KUBOTA MITSUHIRO
SORA KAZUHIRO
APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 06-273337 [JP 94273337]
FILED: November 08, 1994 (19941108)
INTL CLASS: [6] G06F-017/30
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

ABSTRACT
PURPOSE: To provide the information retrieving method which can minimize a failure in retrieval due to a different expression given to the same concept.
CONSTITUTION: A concept tree is generated as a subtree in a directory as shown by a broken line, and a succession of words recalling respective concepts from higher concepts as the directory names of entries 14 and 15 in the concept tree is used; and words which are not used for the expression of the concepts among the words recalling the **concepts** that the entries correspond to are **stored** in the entries in the **concept tree** and when a new entry is registered in a directory, the directory name of the entry in the concept tree corresponding to the concept that the

entry belongs to is added as a retrieval candidate to the registered entry. When an entry belonging to one concept is retrieved, an entry corresponding to the concept in the concept tree is selected and the entry is retrieved by using the directory name where the whole or part of the directory name is registered as retrieval support information as a retrieval condition.

16/5/9 (Item 9 from file: 347)
DIALOG(R)File 347:JAPIO

05027242 **Image available**
HIERARCHICAL ASSOCIATIVE **STORAGE** DEVICE, **HIERARCHICAL CONCEPT** FORMING ASSOCIATIVE **STORAGE** DEVICE, **HIERARCHICAL CONCEPT** SUCCESSION ASSOCIATIVE **STORAGE** DEVICE AND ASSOCIATIVE **STORAGE** DEVICE

PUB. NO.: 07-319842 [JP 7319842 A]
PUBLISHED: December 08, 1995 (**19951208)**
INVENTOR(s): HIRAHARA MAKOTO
KANEMICHI TOSHIKI
OKA NATSUKI
KAKEYA HIDENORI
SAKAGUCHI YUTAKA
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 06-112662 [JP 94112662]
FILED: May 26, 1994 (19940526)
INTL CLASS: [6] G06F-015/18; G11C-015/04
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.2 (INFORMATION PROCESSING -- Memory Units)

ABSTRACT

PURPOSE: To provide a **hierarchical** associative **storage** device, a **hierarchical concept** forming associative **storage** device and a **hierarchical concept** succession associative **storage** device capable of **storing** the **hierarchical** structure among applied items to be stored based upon the similarity between these items and systematically and flexibly retrieving the stored items in accordance with purposes by utilizing the hierarchical structure.

CONSTITUTION: This system is constituted of an associative storage part 11 for updating an associative storage signal based upon associative storage weight stored inside, an associative storage weight updating part 12 for updating the associative storage weight stored in the storage part 11 at the time of a learning mode, a slave associative storage part 13 for updating a slave associative storage signal based upon slave associative storage weight stored inside, and a slave associative storage weight updating part 14 for updating the slave associative storage weight stored in the storage part 13 in the learning mode

16/5/11 (Item 11 from file: 347)
DIALOG(R)File 347:JAPIO

04532181 **Image available**
HIERARCHICAL STRUCTURE BROWSING METHOD AND DEVICE

PUB. NO.: 06-176081 [JP 6176081 A]
PUBLISHED: June 24, 1994 (**19940624)**
INVENTOR(s): KIUCHI ITSUKO
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-349855 [JP 92349855]
FILED: December 02, 1992 (19921202)
INTL CLASS: [5] G06F-015/40
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 1806, Vol. 18, No. 516, Pg. 94,

September 28, 1994 (19940928)

ABSTRACT

PURPOSE: To provide a method to produce and display a hierarchical tree in accordance with the purpose of a user based on the relation (attribute) registered in a concept (data) by browsing easily the hiearchical structure of the concept when this concept (data) is controlled in a hierarchical structure.

CONSTITUTION: A partial **concept tree** is **represented** by single **concept** world node, and the **hierarchical** structures of the world node and a concept (data) are displayed. The partial concept tree corresponding to a concept world node is displayed on a partial cencept tree display window 102. At the same time, the retrieved sentence node corresponding to a retrieved sentence and the user sorting tree node corresponding to the user sorting tree that sorted the concept (data) by the user designation are displayed on a user sorting tree display window 103. The displayed hierarchical structure is stored and then displayed again when the window is opened again.

16/5/14 (Item 14 from file: 347)

03795335 **Image available**

INFORMATION STORING METHOD

PUB. NO.: 04-160435 [JP 4160435 A]
PUBLISHED: June 03, 1992 (**19920603)**
INVENTOR(s): OKI MASARU
OGUCHI TAKUO
KIUCHI ITSUKO
FUJISAWA HIROMICHI
ABE MASAHIRO
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-284231 [JP 90284231]
FILED: October 24, 1990 (19901024)
INTL CLASS: [5] G06F-009/44
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 1425, Vol. 16, No. 454, Pg. 72, September 21, 1992 (19920921)

ABSTRACT

PURPOSE: To efficiently collate the hierarchical relation of concepts and to eliminate the need for renumbering by adding node numbers in advance order, **storing** knowledge distinctively between a **concept hierarchical** expression system and a declaration expression system, and further adding numbers for matching.

CONSTITUTION: A knowledge expression form is expanded into an expression form where knowledge regarding layers of knowledge and concrete facts are stored separately. In this case, a part where the knowledge regarding the layers of the knowledge is **stored** is regarded as the **concept hierarchical** knowledge expression system and a part where the concrete facts and knowledge are stored is regarded as the declaration expression system. When the data structure of the concept hierarchical knowledge expression system is regarded as graph structure, matters and relations are regarded as nodes together. All matters are connected in hierarchical relation having a concept 'matter' 101 atop and all relations are connected in hierarchical relation having a concept 'relation' 102 atop. The node numbers are added in the advance order, the knowledge is **stored** distinctively between the **concept hierarchical** expression system and declaration expression system, and the numbers for collation are added to match the hierarchical relation of the concepts efficiently and also eliminate the need for renumbering.

Same Application as 09/750,319

16/5/20 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015006759 **Image available**
WPI Acc No: 2003-067276/200306
Related WPI Acc No: 2002-434313; 2002-731251; 2003-067278; 2003-288635; 2003-832017
XRPX Acc No: N03-052240
Conceptual information managing system in modem database application, has memory for storing **data** containing concept **as single self-defining object in** hierarchical **data container**
Patent Assignee: SCHREIBER R W (SCHR-I)
Inventor: SCHREIBER R W
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020147697	A1	20021010	US 2000209644	P	20000605	200306 B
			US 2000750319	A	20001229	

Priority Applications (No Type Date): US 2000209644 P 20000605; US 2000750319 A 20001229
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020147697	A1		32	G06F-007/00	Provisional application US 2000209644

Abstract (Basic): US 20020147697 A1
NOVELTY - A module creates a **hierarchical** data list comprising a **hierarchical** data **container** . A memory **stores** the data **containing** a **concept** as a single self-defining object in the **hierarchical** data container.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:
(1) Processor-readable medium storing program for managing conceptual information; and
(2) Conceptual information managing method.
USE - Conceptual information managing system for use in modem database applications.
ADVANTAGE - Enables sufficient storage and retrieval of hierarchical data list and rapid navigation, transmission, searching, construction, manipulation and deletion of the hierarchical data list.
DESCRIPTION OF DRAWING(S) - The figure shows a schematic block diagram of the hierarchical data list storing and transmitting system.
pp; 32 DwgNo 1/16
Title Terms: INFORMATION; MANAGE; SYSTEM; MODEM; DATABASE; APPLY; MEMORY; STORAGE; DATA; CONTAIN; CONCEPT; SINGLE; SELF; DEFINE; OBJECT; HIERARCHY; DATA; CONTAINER
Derwent Class: T01
International Patent Class (Main): G06F-007/00
File Segment: EPI

16/5/21 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014573990 **Image available**
WPI Acc No: 2002-394694/200242
XRPX Acc No: N02-309436
Parsing system for converting natural language text into predicate-argument format has sentence lexer which converts sentence into ontological entities tagged with part-of speech information
Patent Assignee: SCI APPL INT CORP (SCIT-N)
Inventor: BUSCH J E; CAUDILL M; GRAYDON P J; LIN A D
Number of Countries: 095 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week

WO 200235376 A2 20020502 WO 2001US32636 A 20011026 200242 B
AU 200224446 A 20020506 AU 200224446 A 20011026 200257

Priority Applications (No Type Date): US 2000697676 A 20001027
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 200235376 A2 E 51 G06F-017/00
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200224446 A G06F-017/00 Based on patent WO 200235376

Abstract (Basic): WO 200235376 A2
NOVELTY - Sentence lexer converts natural language sentence into ontological entities tagged with part-of speech information and two stage parser converts ontological entities into predicate structures by analyzing grammatical structure of sentence and binding arguments into predicates
DETAILED DESCRIPTION - Parser may parse sentences into parse **trees representing concepts** in sentence and parse **tree** converter may convert parse **trees** into predicates. Parse filters may operate on predicates to remove erroneous predicates.
An INDEPENDENT CLAIM is included for the parsing method incorporated in the described system.
USE - As a parser for natural language processing.
ADVANTAGE - Permits use of arithmetic operations instead of string operations in text processing programs. Reduces computational effort required. Increases speed of process.
DESCRIPTION OF DRAWING(S) - Drawing is a block diagram of the system.
Text input (110)
Document iterator (120)
Lexer (130)
Ontology (140)
Lexer filters (150)
pp; 51 DwgNo 1/7
Title Terms: PARSE; SYSTEM; CONVERT; NATURAL; LANGUAGE; TEXT; ARGUMENT; FORMAT; SENTENCE; CONVERT; SENTENCE; ENTITY; TAG; PART; SPEECH; INFORMATION
Derwent Class: T01
International Patent Class (Main): G06F-017/00
File Segment: EPI

16/5/22 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014227770 **Image available**
WPI Acc No: 2002-048468/200206
XRPX Acc No: N02-035810
Cooked variables abstracting method for analyzing data, involves defining refined concept as initial concept refined into two subsequent concepts
Patent Assignee: MICROSOFT CORP (MICT)
Inventor: CHICKERING D M; HECKERMAN D E; MEEK C A; ROUNTHWAITE R L
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 6321225 B1 20011120 US 99298598 A 19990423 200206 B

Priority Applications (No Type Date): US 99298598 A 19990423
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 6321225 B1 32 G06F-017/30

Abstract (Basic): US 6321225 B1

NOVELTY - A refined concept is defined as an initial concept refined into two subsequent concepts such that one of the subsequent concepts is in a populous node hierarchy as measured by records having non-zero values for a raw transactional variable corresponding to the populous node. The subsequent **concepts contain** identical set of **hierarchy** nodes.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a computer readable medium;

(b) and a computerized system.

USE - For analyzing data.

ADVANTAGE - Eliminates problem formulation phase in analysis process. Ensures cost-effective and useful data analysis.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of a cooked variables abstracting method.

pp; 32 DwgNo 6c/6

Title Terms: COOK; VARIABLE; ABSTRACT; METHOD; DATA; DEFINE; REFINE; CONCEPT; INITIAL; CONCEPT; REFINE; TWO; SUBSEQUENT; CONCEPT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

16/5/29 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

012804658 **Image available**

WPI Acc No: 1999-610888/ **199952**

XRPX Acc No: N99-450137

Symbolic representation creating method of sentence for computer programs

Patent Assignee: WORLDFREE.NET INC (WORL-N)

Inventor: KIRCHMAN K A P

Number of Countries: 082 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9950759	A1	19991007	WO 99US6935	A	19990329	199952	B
AU 9932166	A	19991018	AU 9932166	A	19990329	200010	
BR 9909292	A	20001205	BR 999292	A	19990329	200101	
			WO 99US6935	A	19990329		
EP 1073970	A1	20010207	EP 99914283	A	19990329	200109	
			WO 99US6935	A	19990329		
JP 2003526130	W	20030902	WO 99US6935	A	19990329	200358	
			JP 2000541603	A	19990329		
MX 2000009522	A1	20020301	WO 99US6935	A	19990329	200362	
			MX 20009522	A	20000928		

Priority Applications (No Type Date): US 99281996 A 19990329; US 9880030 P 19980330

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9950759	A1	E	22	G06F-017/27	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9932166	A			G06F-017/27	Based on patent WO 9950759
BR 9909292	A			G06F-017/27	Based on patent WO 9950759
EP 1073970	A1	E		G06F-017/27	Based on patent WO 9950759

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

JP 2003526130	W		19	G06F-017/27	Based on patent WO 9950759
MX 2000009522	A1			G06F-017/27	Based on patent WO 9950759

Abstract (Basic): WO 9950759 A1

NOVELTY - The sentence is recursively parsed to isolate one or more concepts, each concept being a canonical arrangement of entities, actions and qualifiers. The **concept** data structures (200) are created to **represent** each respective isolated **concept** , and are then linked to form a **hierarchical** data structure representing the sentence.

DETAILED DESCRIPTION - Each concept is a canonical arrangement of the form, E(Q) A(Q) E(Q), where E' is an entity, A' is an action and Q' is a qualifier.

USE - For defining human concepts and ideas symbolically for interactive application in host computer system.

ADVANTAGE - The data structures can be processed to accomplish more advanced ends such as reasoning system or expert system.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of concept data structure.

Concept data structures (200)

pp; 22 DwgNo 2/5

Title Terms: SYMBOL; REPRESENT; METHOD; SENTENCE; COMPUTER; PROGRAM
Derwent Class: T01
International Patent Class (Main): G06F-017/27
International Patent Class (Additional): G06F-017/28; G06F-017/30
File Segment: EPI

16/5/30 (Item 12 from file: 350)

012662465 **Image available**
WPI Acc No: 1999-468570/ **199939**
XRPX Acc No: N99-349892

Query executing method for retrieving data in computer implemented encoding system

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: HADERLE D J; IYER B R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5940822	A	19990817	US 97921197	A	19970829	199939	B

Priority Applications (No Type Date): US 97921197 A 19970829
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5940822	A		10	G06F-017/30	

Abstract (Basic): US 5940822 A

NOVELTY - The members in the database related by one or more **concept hierarchies** are encoded, where the encoding **represents** one or more **concepts** . The members in **concept hierarchies** acting as descendants of selected concepts based on the encoding, are identified by traversing each member of concept hierarchies in post order.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for query execution apparatus.

USE - For encoding system for concept or group hierarchies.

ADVANTAGE - Allows encoding members of multiple related concept hierarchies, along with identification of descendants of member based on encoding.

DESCRIPTION OF DRAWING(S) - The figure illustrates a tree structure stored on data storage representing two hierarchies of items sold at super department store.

pp; 10 DwgNo 3/4

Title Terms: QUERY; EXECUTE; METHOD; RETRIEVAL; DATA; COMPUTER; IMPLEMENT; ENCODE; SYSTEM
Derwent Class: T01
International Patent Class (Main): G06F-017/30
File Segment: EPI

16/5/31 (Item 13 from file: 350)

011624457 **Image available**
WPI Acc No: 1998-041585/ **199804**
Related WPI Acc No: 1986-259521; 1993-103288; 1995-076501; 1995-147106; 1996-412420; 1996-425002; 2001-449857
XRPX Acc No: N98-033382

Information storage and retrieval system using knowledge base and permits inputting of semantic information - includes relational concept which defines relations between plural conceptual concepts and attribute name concept which defines relation resulting from attribute common to plural conceptual concepts

Patent Assignee: HITACHI LTD (HITA)
Inventor: FUJISAWA H; HASHIMOTO T; KIUCHI I; YAMAZAKI N

Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5696916	A	19971209	US 86844123	A	19860326	199804	B
			US 88276384	A	19881125		
			US 89430241	A	19891030		
			US 92831093	A	19920210		
			US 92947536	A	19920921		

Priority Applications (No Type Date): JP 91272321 A 19911021; JP 8560678 A 19850327; JP 87297568 A 19871127; JP 882609 A 19880111; JP 88272974 A 19881031; JP 89149629 A 19890614; JP 91241101 A 19910920
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5696916	A		100	G06T-001/00	CIP of application US 86844123
					CIP of application US 88276384
					CIP of application US 89430241
					CIP of application US 92831093
					CIP of patent US 4868733
					CIP of patent US 5404506
					CIP of patent US 5553226

Abstract (Basic): US 5696916 A

The system includes a **concept** relation model for **representing** knowledge in a **hierarchical tree** form in terms of conceptual concepts including at least a noun conceptual concept, a name conceptual concept, a numerical value conceptual concept and a unit conceptual concept. Relational concepts each defines relations between plural conceptual concepts and attribute name concepts each defining relation resulting from an attribute common to plural conceptual concepts. The conceptual concepts, relational concepts and attribute name concepts are formed into plural templates including at least a first template which includes two conceptual concepts related to each other by an attribute name concept.

A second template includes plural conceptual concepts, related to each other by a relational concept. A relation between a relational concept or an attribute name concept and semantic information is defined. The templates are arranged in the hierarchical tree form. A relation between a relational concept or an attribute name concept in an upper template and a relational concept or an attribute name concept in a lower template is defined as an is-a relation.

ADVANTAGE - Capable of easily generating sentences expressed by polynomial relations by using pointing device.

Dwg.6/72

Title Terms: INFORMATION; STORAGE; RETRIEVAL; SYSTEM; BASE; PERMIT; INPUT; INFORMATION; RELATED; CONCEPT; DEFINE; RELATED; PLURAL; CONCEPT; ATTRIBUTE; NAME; CONCEPT; DEFINE; RELATED; RESULT; ATTRIBUTE; COMMON; PLURAL; CONCEPT
Derwent Class: T01
International Patent Class (Main): G06T-001/00
File Segment: EPI

16/5/35 (Item 17 from file: 350)

004756180
WPI Acc No: 1986-259521/ **198640**
Related WPI Acc No: 1993-103288; 1995-076501; 1995-147106; 1996-412420; 1996-425002; 1998-041585; 2001-449857
XRPX Acc No: N86-194017

Computerised information storage and retrieval system - has information retrieved in way which mimics operation of human mind by classifying subjects in terms of generic concepts and relationships

Patent Assignee: HITACHI LTD (HITA)
Inventor: FUJISAWA H; HATAKEYAMA A; HIGASHINO J

Number of Countries: 003 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 196064	A	19861001	EP 86104083	A	19860325	198640	B
EP 196064	B1	19951018	EP 86104083	A	19860325	199546	
DE 3650417	G	19951123	DE 3650417	A	19860325	199601	
			EP 86104083	A	19860325		

Priority Applications (No Type Date): JP 8560678 A 19850327
Cited Patents: 3.Jnl.Ref; A3...8946; EP 130050; No-SR.Pub
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 196064	A	E	91		
Designated States (Regional): DE FR GB					
EP 196064	B1	E	45	G06F-017/30	
Designated States (Regional): DE FR GB					
DE 3650417	G			G06F-017/30	Based on patent EP 196064

Abstract (Basic): EP 196064 A

When a user wishes to retrieve a piece of information concerning a specific subject, he uses a system console to enter the major subject concept. The system asks for a qualifying relationship in the form of link phrases. The user selects a link and asks for another concept selection. Further qualifying relationship and concept selections are made to identify the information required. A similar procedure is used for finding items of information using bibliographical data, e.g. article written by employee of Company called ABS Ltd. concerning computer which runs XYZ software.

Each concept and relationship store will recognise synonyms, near synonyms and fragmented data. The menu structure on the display also allows the user to browse through lists of concepts and relationships as an aid for defining the required information. When the information required has been identified, it is displayed on a separate high definition display.

Dwg.1/25

Title Terms: COMPUTER; INFORMATION; STORAGE; RETRIEVAL; SYSTEM; INFORMATION ; RETRIEVAL; WAY; MIMIC; OPERATE; HUMAN; MIND; CLASSIFY; SUBJECT; TERM; CONCEPT; RELATED
Derwent Class: T01
International Patent Class (Main): G06F-017/30
International Patent Class (Additional): G06F-007/28; G06F-015/40
File Segment: EPI

```
File 275:Gale Group Computer DB(TM) 1983-2005/Mar 22
         (c) 2005 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Mar 22
         (c) 2005 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2005/Mar 22
         (c) 2005 The Gale Group
File  16:Gale Group PROMT(R) 1990-2005/Mar 22
         (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Mar 22
         (c)2005 The Gale Group
File 624:McGraw-Hill Publications 1985-2005/Mar 22
         (c) 2005 McGraw-Hill Co. Inc
File  15:ABI/Inform(R) 1971-2005/Mar 22
         (c) 2005 ProQuest Info&Learning
File 647:CMP  Computer Fulltext 1988-2005/Feb W4
         (c) 2005 CMP Media, LLC
File 674:Computer News Fulltext 1989-2005/Mar W3
         (c) 2005 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2005/Mar 21
         (c) 2005 The Dialog Corp.
File 369:New Scientist 1994-2005/Mar W1
         (c) 2005 Reed Business Information Ltd.

Set     Items   Description
S1      41217   (SINGLE OR ONE OR LONE OR DISTINCT)(2W)(OBJECT? ? OR ENTITY
              OR ENTITIES)
S2      28307   (HIERARCH? OR TREE? ?)(5N)(CONTAINER? ? OR FOLDER? ? OR ST-
             RUCTURE? ? OR LIST? ?)
S3     164605   (STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN??? OR COMPRIS?-
             ?? OR CONSIST??? OR REPRESENT?)(7N)(CONCEPT? OR IDEA OR IDEAS
             OR ABSTRACT? OR INTANGIBLE OR INDEFINABLE)
S4      79957   (STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN??? OR COMPRIS?-
             ?? OR CONSIST??? OR REPRESENT?)(7N)(COLOR? ? OR COLOUR? ?)
S5         50   S3:S4(10N)S1
S6         35   RD (unique items)
S7         28   S6 NOT PY=2001:2005
S8         56   S3:S4(10N)S2
S9         44   RD (unique items)
S10        33   S9 NOT (S7 OR PY=2001:2005)
S11     36588   (STORE? ? OR STORING)(5N)CONCEPT? ?
S12        35   S11(10N)OBJECT? ?
S13        27   RD (unique items)
S14        21   S13 NOT PY=2001:2005
```

7/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01858052 SUPPLIER NUMBER: 17621955 (USE FORMAT 7 OR 9 FOR FULL TEXT)
One-stop VR development. (virtual reality) (Virtuality Entertainment Ltd's Elysium Professional Immersive VR System for interactive 3D modeling and VR) (Software Review) (Evaluation)
King, Douglas
Computer Graphics World, v18, n9, p58(3)
Sep, 1995
DOCUMENT TYPE: Evaluation ISSN: 0271-4159 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1118 LINE COUNT: 00095

... excellent. But one of my favorite features is the ability to assign numerous textures and colors to **one** mesh **object** . This is done via "pens"--logical objects that can **contain** **color** and texture--which you can apply to both bodies and individual faces. You also can associate pens ...

7/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01760108 SUPPLIER NUMBER: 16693163 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A promising beta: IBM C Set++ 3.0 for OS/2. (sidebar to "C++ Programming: Significant Development") (Software Review) (Evaluation)
Gagnon, Gabrielle
PC Magazine, v14, n7, p230(2)
April 11, 1995
DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 793 LINE COUNT: 00061

... or more parts on the canvas, you can graphically draw connections between them. Connections trigger messages from **one** **object** to another and are depicted as **color** -coded, bidirectional arrows **representing** the type of connection, and Visual Builder generates the C++ code.
DirectToSOM technology is another important addition...

7/3,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01600104 SUPPLIER NUMBER: 13888625 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Any objections? Object-oriented programming gains a stronghold in the midrange community. (includes related article introducing object-oriented technology)
Krivda, Cheryl D.
MIDRANGE Systems, v6, n10, p35(3)
May 25, 1993
ISSN: 1041-8237 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2570 LINE COUNT: 00204

... an operation, the request is executed through messaging.
The basic design of programs is structured through a **concept** called inheritance, in which **one** **object** can **retain** the attributes or methods of another. Each object can be copied as needed into any other program...

7/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01529936 SUPPLIER NUMBER: 12565109 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Reaching for 3-D. (three dimensional graphics programs are becoming easier to use) (Step by Step) (Tutorial)
Ashford, John
MacUser, v8, n10, p221(3)
Oct, 1992
DOCUMENT TYPE: Tutorial ISSN: 0884-0997 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1062 LINE COUNT: 00080

... until the two projections are on top of each other. Now the two objects interpenetrate, producing a **single** complex **object** that has rounded as well as straight-edged sides and **contains** different texture and **color** patterns. The spike is loaded and duplicated, rotated, and positioned around the lathed objects.
8 Grouping the...

7/3,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01458992 SUPPLIER NUMBER: 11470230 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Database systems: achievements and opportunities. (one of six articles on next-generation data base management systems)
Silberschatz, Avi; Stonebraker, Michael; Ullman, Jeff
Communications of the ACM, v34, n10, p110(11)
Oct, 1991
ISSN: 0001-0782 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 8095 LINE COUNT: 00671

... can take hours or days.
Versions and Configurations
Some next-generation applications need versions of objects to **represent** alternative or successive states of a **single conceptual entity** . For instance, in a facilities engineering database, numerous revisions of the electric plans will occur during the...

7/3,K/6 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01429674 SUPPLIER NUMBER: 10582248 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The framework: messages with the proper stranger. (vertical interoperability)
RELease 1.0, v91, n3, p3(5)
March 31, 1991
ISSN: 1047-935X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1806 LINE COUNT: 00143

... managers, so that the ORB can talk to objects it might not know about directly, reflects this **idea** - but it **represents** a deviation from the **one** true **object** model for everything. (Scalability per se is less important than accommodation of different systems on different scales...

7/3,K/7 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01349278 SUPPLIER NUMBER: 08257982 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Radius Inc. Color Display 19-Inch Monitor and DirectColor/24 Card with QuickColor accelerator. (Hardware Review) (one of four evaluations of 24-bit color monitors for the Apple Macintosh in 'Large color monitors dress up the Mac.') (evaluation)
Kosiur, Dave; Damore, Kelley
PC Week, v7, n11, p86(1)
March 19, 1990

DOCUMENT TYPE: evaluation ISSN: 0740-1604 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 960 LINE COUNT: 00074

... programs, for instance, display rulers where one inch does not measure out to be one inch. (Any **one** -inch **object** that is drawn will, in fact, be **stored** as one-inch long, but the **Color** Display will reduce its apparent size on-screen, due to the higher pixel resolution.) If users are ...

7/3,K/8 (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01321941 SUPPLIER NUMBER: 07344436 (USE FORMAT 7 OR 9 FOR FULL TEXT)
OOP: more smarts, less code. (object-oriented programming)
Coursey, David
MIS Week, v10, n24, p53(1)
June 12, 1989
ISSN: 0199-8838 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 844 LINE COUNT: 00066

... way. While traditional languages separate code from data, object-oriented languages bring the two together in a **single** , self-**contained** **object** , a **concept** Stewart Chapin, a group product manager in Microsoft's language group, called "more smarts in one place...

7/3,K/9 (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01241605 SUPPLIER NUMBER: 06259108 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Objective: data objects. (object-oriented data management) (Technology Trends: Software) (column)
Soat, John
Computer & Communications Decisions, v20, n2, p73(3)
Feb, 1988
DOCUMENT TYPE: column ISSN: 0894-1246 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1482 LINE COUNT: 00125

... to act on stored data.
Rejecting the dualism of standard programming, object-oriented programming revolves around the **single** **concept** of " **objects** ," discrete entities **containing** both data and instructions. Because objects contain predefined structure, the relationships among data are easier to exploit...

7/3,K/10 (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01204738 SUPPLIER NUMBER: 04786776 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Object-oriented database keeps the house in order.
McCaskey, John
Electronic Design, v35, p129(5)
March 19, 1987
ISSN: 0013-4872 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2685 LINE COUNT: 00214

... serve people, an object-oriented database supplies a means of representing a complex of relationships with a **single** **object** . **Concepts** help people to **represent** and manage very complex information by expanding their knowledge in steps. With concepts, we build our knowledge ...

7/3,K/11 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

01223861 Supplier Number: 41223928 (USE FORMAT 7 FOR FULLTEXT)
Flexible Manufacturing Software Writing Speeded
Inside R&D, v19, n11, pN/A
March 14, 1990
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 295

Object-oriented programming is central to RIPE design. In this **concept** , software architectures are organized around **representations** of objects, including the robot itself as **one object** and its environment as another, rather than on the functions performed. By defining the objects independently of...

7/3,K/12 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07472048 Supplier Number: 62497113 (USE FORMAT 7 FOR FULLTEXT)
High-End Ink-Jet Plotters.(Hardware Review)(Evaluation)
Sheerin, Peter K.
Cadence, v15, n6, p28
June, 2000
Language: English Record Type: Fulltext
Article Type: Evaluation
Document Type: Magazine/Journal; Trade
Word Count: 2794

... for images of the type GIS and mapping users create, I created a D-size drawing that **contains** just **one object** --an 8MB **color** TIFF of a USGS quadrangle. Despite its relatively modest size, reproducing this also proved a challenge for...

7/3,K/13 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06426784 Supplier Number: 54947628 (USE FORMAT 7 FOR FULLTEXT)
Cross-Functional Project Management -- TD Technologies' Slate Tracks Multifaceted Projects-But At A High Price.(Software Review)(Evaluation)
Feibus, Andy
InformationWeek, p108
June 21, 1999
Language: English Record Type: Fulltext
Article Type: Evaluation
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 599

... organizing them into abstraction blocks, which are like the big blocks that engineers write on whiteboards to **represent** activity or a physical entity. Multiple **abstraction** blocks may be used within Slate to **represent** a **single entity** . For example, a refrigerator's compressor can be **represented** by a different **abstraction** block for its electrical and durability needs.

Projects usually start from an existing-requirements document. Slate can...

7/3,K/14 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04813957 Supplier Number: 47082503 (USE FORMAT 7 FOR FULLTEXT)
JAVA TELEPHONY API BOLSTERS SUN'S RESOLVE
Margulies, Ed
Computer Telephony, p150
Feb, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2072

... has one Call object and two connections. A conference call is three or more connections associated with **one** Call **Object** .
Address Object. The Address object **represents** a telephone number. It is an **abstraction** for the logical endpoint of a phone call. This is distinct from a physical endpoint, because one...

7/3,K/15 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

04422252 Supplier Number: 46488175 (USE FORMAT 7 FOR FULLTEXT)
Brinker International to step up Eatzi's expansion efforts
Nation's Restaurant News, p2
June 24, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 364

... would have,' Cardwell said. 'The biggest challenge is no different than what we face with our other **concepts** when you try to go from one **store** to several stores.
'You have to take a **single** **entity** with a lot of focus on it and make sure your systems allow you to support the...

7/3,K/16 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

02205858 Supplier Number: 42873241 (USE FORMAT 7 FOR FULLTEXT)
MALL FOR ONE, ONE FOR MALL
Chain Store Age Executive with Shopping Center Age, p27
April, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 651

... by encouraging traffic crossover from the anchors to the specialty stores and vice versa. The impression of **one** retail **entity** , rather than a collection of varied **stores** , was the **idea** .
The **concept** is little short of revolutionary. The often adversarial relationships between landlord and department stores, and among the...

7/3,K/17 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

01285562 Supplier Number: 41501745
ImageSoft's Latest Release of Glockenspiel CommonView 2TMAccelerates Windows 3.0 Development!
News Release, p1
August 20, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:

...application without clashes over who's "object" class is dominant. CommonView 2 ships with two additional DLLs: **Container** 2 **abstracts** the **idea** of **one object** as a **container** for other objects; FreeStore 2 implements several free-store strategies while preserving a UNIX-like interface in...

7/3,K/18 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

12975293 SUPPLIER NUMBER: 68709862 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NUKI'S VIEW.(independent financial advisers and polarisation)(Column)
NUKI, PAUL
Money Marketing, 28
Dec 7, 2000
DOCUMENT TYPE: Column ISSN: 0958-3769 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 685 LINE COUNT: 00055

... good job for consumers is threefold.
First, lobby hard to have the category of independent financial adviser **retained** , not only as a **concept** but as a **distinct** legal **entity** and status that direct salesmen and multi-ties are not allowed to claim or infringe on.
Second...

7/3,K/19 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

11147050 SUPPLIER NUMBER: 54994940 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The uncentered call center: building distributed or virtual call centers with CTI and Internet telephony.(computer-telephone integration)
Ghio, Terry
Call Center Solutions, 17, 11, 80(6)
May, 1999
ISSN: 1521-0774 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2071 LINE COUNT: 00158

... network-based muting to connect disparate locations. These multiple call center sites are then managed as a **single entity** with universal call transferability. This **concept** may **consist** of many small centers or a few large centers, according to a company's needs.
* A virtual...

7/3,K/20 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

10501304 SUPPLIER NUMBER: 21128009 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Strategically planning or just spreadsheet programming?(business planning and use of financial spreadsheets)
Sethi, Ash
Management Accounting (British), v76, n8, p40(2)
Sept, 1998
ISSN: 0025-1682 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2114 LINE COUNT: 00188

... evolve organisational best practice.
So what are `objects'?
Objects are based on models organised around real-world **concepts** .(3) Essentially they **consist** of data and a program within a **single entity** and were invented in the 1980s (see right).
But how can they be of strategic value for...

7/3,K/21 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

08884213 SUPPLIER NUMBER: 18440464
Brinker International to step up Eatzi's expansion efforts. (Eatzi's Market & Bakery) (Brief Article)
Ruggless, Ron
Nation's Restaurant News, v30, n25, p2(1)
June 24, 1996
DOCUMENT TYPE: Brief Article ISSN: 0028-0518 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 381 LINE COUNT: 00032

... would have," Cardwell said. "The biggest challenge is no different than what we face with our other **concepts** when you try to go from one **store** to several stores.
"You have to take a **single entity** with a lot of focus on it and make sure your systems allow you to support the...

7/3,K/22 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

07514205 SUPPLIER NUMBER: 16213160 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Objects wrong, objects right. (problems with third-party Visual Basic Controls) (Paradigm Shift: Developing Smarter) (Column)
Sarna, David E.Y.; Febish, George J.
Datamation, v40, n15, p23(2)
August 1, 1994
DOCUMENT TYPE: Column ISSN: 1062-8363 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 812 LINE COUNT: 00062

... charm right out of the box.
Visual Basic Controls (VBXs) has been the single most popular OOP **idea** to date. VBXs are object **containers holding one** or more **objects** . Each object includes GUI, data, and functions related to the object(s). A Visual Basic programmer needs...

7/3,K/23 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

06177956 SUPPLIER NUMBER: 13038893 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PC mapping software matures. (comparative review of Strategic Mapping Inc.'s Atlas GIS 2.0 for DOS, Mapping Information Systems Corp.'s MapInfo for Windows 2.0, Tydac Technologies Corp's SPANS GIS 5.0 for OS/2, and Tactics International Ltd.'s Tactician 2.3 for Windows) (Software Review) (includes executive summary of products) (Evaluation)
Marshall, Patrick; Chiu, Peter; Tsang, Joanna; Mathews, Carla
InfoWorld, v14, n49, p82(12)
Dec 7, 1992
DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 17830 LINE COUNT: 01421

... fill (with automatic legend) displaying the two variables at the same time.
Tactician makes modifying screen elements **conceptually** simple. Each map layer **contains** only a **single** type of **object** -- areas, points, or lines. You can enter the minimum and maximum elevations for each layer. You can...

7/3,K/24 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

05091541 SUPPLIER NUMBER: 09380272 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Many challenges, but few jobs in disk-array design. (includes related article on the several levels of redundant arrays of inexpensive disks)
Rooney, Paula
EDN, v36, n2A, p31(2)
Jan 24, 1991
ISSN: 0012-7515 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1132 LINE COUNT: 00091

... no operating system is designed with the disk-array concempt in mind--that is, a disk with **one** logical **entity** but multiple drives.
"Unix does not understand the **concept** of disk array," agrees **Storage concepts** ' Romine. "The academic community has recognized it, but I think it'll take some money to solve...

7/3,K/25 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

03865893 SUPPLIER NUMBER: 07327973 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New life for SQL. (Structured Query Language) (rebuttal to 'Fatal Flaws in SQL' article series by E.F. Codd) (includes related article on optimization)
Beech, David
Datamation, v35, n3, p29(5)
Feb 1, 1989
ISSN: 1062-8363 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2766 LINE COUNT: 00212

... that are more broadly conceptual.
On the conceptual level, Codd poses the following question: "If [duplicate rows] **represent distinct objects** [**abstract** or concrete], why is their distinctiveness not **represented** by distinct values in at least one component of the row [as required by the relational model...

7/3,K/26 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01846033 04-97024
Cross-functional project management
Feibus, Andy
Informationweek n739 PP: 108 Jun 21, 1999
ISSN: 8750-6874 JRNL CODE: IWK
WORD COUNT: 552

...ABSTRACT: teams. Slate uses an object-oriented database to store project requirements, organizing them into abstraction blocks. Multiple **abstraction** blocks may be used within Slate to **represent** a **single entity** . The software is highly complicated, with poor online-only documentation that presumes strong skills.
...TEXT: organizing them into abstraction blocks, which are like the big blocks that engineers write on whiteboards to **represent** activity or a physical entity. Multiple **abstraction** blocks may be used within Slate to **represent** a **single entity** . For example, a refrigerator's compressor can be **represented** by a different **abstraction** block for its electrical and durability needs.

Projects usually start from an existing-requirements document. Slate can...

7/3,K/27 (Item 2 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

01071377 97-20771
Data warehousing - Keeping it together
Isaac, Peter
New Zealand Manufacturer PP: 10 May 1995
ISSN: 1171-5375 JRNL CODE: NZM
WORD COUNT: 740

...TEXT: Informix, the world's pre-eminent relational database software producer.

As its name implies the data warehouse **concept** means that an organisation's information is **stored** as a **single** accessible **entity** .

In effect, data warehousing is designed to finally deliver the solution to overcome the islands of information...

7/3,K/28 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01194493 CMP ACCESSION NUMBER: IWK19990621S0053
Cross-Functional Project Management - TD Technologies' Slate Tracks Multifaceted Projects-But At A High Price
Andy Feibus
INFORMATIONWEEK, 1999, n 739, PG108
PUBLICATION DATE: 990621
JOURNAL CODE: IWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Software
WORD COUNT: 598

... organizing them into abstraction blocks, which are like the big blocks that engineers write on whiteboards to **represent** activity or a physical entity. Multiple **abstraction** blocks may be used within Slate to **represent** a **single** **entity** . For example, a refrigerator's compressor can be **represented** by a different **abstraction** block for its electrical and durability needs.

10/9/26 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00910890 95-60282
Full-text retrieval systems allow users to control - not be controlled by - information overload
Heise, P J
IMC Journal v30n5 PP: 64-65 Sep/Oct 1994 CODEN: IMGCB7 ISSN: 0019-0012
JRNL CODE: IMC
DOC TYPE: Journal article LANGUAGE: English LENGTH: 2 Pages

DESCRIPTORS: Information retrieval; Software packages; Full text; Systems integration
CLASSIFICATION CODES: 9180 (CN=International); 5240 (CN=Software & systems)

ABSTRACT: Rapid access to the right information is critical for most decision making at all organizational levels. The most promising information retrieval systems are based on concept retrieval and offer simple user interfaces and relevance ranking. These systems allow connectivity to databases, imaging systems, and communication tools through inherent openness. The knowledge-based approach involves objects that **represent** an area of interest, or **concepts** . **Concepts** can be **represented** in a **tree structure** to allow for intuitive searching. This approach allows the user to create queries with operators that accumulate evidence of information. Concept-based retrieval systems can be deployed successfully only when they have an open architecture, offer client-server computing, and enable the user to hook on to the database management systems and imaging systems.

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File   8:Ei Compendex(R) 1970-2005/Mar W2
         (c) 2005 Elsevier Eng.  Info. Inc.
File  35:Dissertation Abs Online 1861-2005/Feb
         (c) 2005 ProQuest Info&Learning
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File  94:JICST-EPlus 1985-2005/Feb W1
         (c)2005 Japan Science and Tech Corp(JST)
File 483:Newspaper Abs Daily 1986-2005/Mar 19
         (c) 2005 ProQuest Info&Learning
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         (c) 2005 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2005/Mar W2
         (c) 2005 INIST/CNRS
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File  34:SciSearch(R) Cited Ref Sci 1990-2005/Mar W2
         (c) 2005 Inst for Sci Info
File  99:Wilson Appl. Sci & Tech Abs 1983-2005/Feb
         (c) 2005 The HW Wilson Co.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 266:FEDRIP 2005/Jan
         Comp & dist by NTIS, Intl Copyright All Rights Res
File  95:TEME-Technology & Management 1989-2005/Feb W2
         (c) 2005 FIZ TECHNIK
File 438:Library Lit. & Info. Science 1984-2005/Feb
         (c) 2005 The HW Wilson Co

Set     Items   Description
S1      18992   (SINGLE OR ONE OR LONE OR DISTINCT)(2W)(OBJECT? ? OR ENTITY
              OR ENTITIES)
S2      88127   (HIERARCH? OR TREE? ?)(5N)(CONTAINER? ? OR FOLDER? ? OR ST-
             RUCTURE? ? OR LIST? ?)
S3     141785   (STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN??? OR COMPRIS?-
             ?? OR CONSIST??? OR REPRESENT?)(7N)(CONCEPT? OR IDEA OR IDEAS
             OR ABSTRACT? OR INTANGIBLE OR INDEFINABLE)
S4      27443   (STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN??? OR COMPRIS?-
             ?? OR CONSIST??? OR REPRESENT?)(7N)(COLOR? ? OR COLOUR? ?)
S5         83   S3:S4(10N)S1
S6         63   RD (unique items)
S7         42   S6 NOT PY=2001:2005
S8        511   S3:S4(20N)S2
S9       2415   (STORE? ? OR STORING)(5N)CONCEPT?
S10         4   S2(7N)S9
S11         4   S2(10N)S9
S12        41   S9(7N)OBJECT? ?
S13        32   RD (unique items)
S14        29   S13 NOT PY=2001:2005
S15      2322   AU=(SCHREIBER, R? OR SCHREIBER R?)
S16        53   CONCEPT? AND S15
S17        42   RD (unique items)
```

7/5/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

06798584 E.I. No: EIP04158108249
Title: A Kind of Correlation between Connection Management Objects within TINA
Author: Wang, Wen-Nai; Zhao, Sheng-Mei
Corporate Source: Dept. of Communication Engineering NUPT, Nanjing, 210003, China
Conference Title: 1998 International Conference on Communication Technology, ICCT 1998
Conference Location: Beijing, China Conference Date: 19981022-19981024
Sponsor: China Institute of Communications (CIC); Chinese Institue of Electronics (CIE; IEEE COMSOC
E.I. Conference No.: 62556
Source: International Conference on Communication Technology Proceedings, ICCT v 1 1998.
Publication Year: 1998
Language: English
Document Type: CA; (Conference Article) Treatment: T; (Theoretical)
Journal Announcement: 0404W2
Abstract: The discussion of fault management on telecommunication connections was presented in this paper from the viewpoint of TINA. The correlation between computational objects was analyzed and then two approaches representing the correlation relationship was proposed, in order to achieve efficiency and simplicity in fault management, particularly in fault coordinating. A new type of interface was introduced in the first approach to enable objects correlating with each other. To the second **one** , a shadow **object concept** , being **consistent** with TINA, was suggested to link the computational objects and the correlation. 6 Refs.
Descriptors: *Telecommunication services; Alarm systems; Intelligent networks; Open systems; Quality of service; Information management; Information technology; Correlation methods; Mathematical models
Identifiers: TINA; Fault management; Telecommunication connections; Information models
Classification Codes:
914.1 (Accidents & Accident Prevention); 723.4 (Artificial Intelligence); 723.5 (Computer Applications); 922.2 (Mathematical Statistics)
716 (Electronic Equipment, Radar, Radio & Television); 914 (Safety Engineering); 723 (Computer Software, Data Handling & Applications); 722 (Computer Hardware); 903 (Information Science); 922 (Statistical Methods)
71 (ELECTRONICS & COMMUNICATION ENGINEERING); 91 (ENGINEERING MANAGEMENT); 72 (COMPUTERS & DATA PROCESSING); 90 (ENGINEERING, GENERAL); 92 (ENGINEERING MATHEMATICS)

7/5/7 (Item 7 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

02019661 E.I. Monthly No: EI8609087528 E.I. Yearly No: EI86085327
Title: OBJECT RECOGNITION USING ORIENTED MODEL POINTS.
Author: Silberberg, Teresa M.; Harwood, David A.; Davis, Larry S.
Corporate Source: Univ of Maryland, College Park, MD, USA
Source: Computer Vision, Graphics, and Image Processing v 35 n 1 Jul 1985 p 47-71
Publication Year: 1985
CODEN: CVGPDB ISSN: 0734-189X
Language: ENGLISH
Document Type: JA; (Journal Article) Treatment: A; (Applications)
Journal Announcement: 8609
Abstract: This paper presents a 2-stage algorithm that recognizes one or more 3-dimensional objects in am image that contains the perspective projections of those objects. In the first stage, the recognition scheme solves for estimates of the free rotational and translational parameters by

first matching the individual edges, and then restricting these matches so that junctions are matched to vertices. A generalized Hough transform is used to record the computed matches. In the second stage, correspondence between model and image features are determined using the estimates of the first stage, and a linear least squares algorithm is applied in order to compute a better estimate. The effects of errors in the extraction of image data and in the computation of known parameters are considered. The technique is demonstrated with images **containing single objects** and multiple objects. (Author **abstract**) 22 refs.

Descriptors: *PATTERN RECOGNITION; COMPUTER PROGRAMMING--Algorithms; IMAGE PROCESSING

Identifiers: OBJECT RECOGNITION; ORIENTED MODEL POINTS; HOUGH TRANSFORM

Classification Codes:

723 (Computer Software); 741 (Optics & Optical Devices)

72 (COMPUTERS & DATA PROCESSING); 74 (OPTICAL TECHNOLOGY)

7/5/19 (Item 11 from file: 35)

781582 ORDER NO: AAD82-14209

ACCESSING VISUAL SCHEMATA: MECHANISMS INVOKING WORLD KNOWLEDGE IN THE IDENTIFICATION OF OBJECTS IN SCENES

Author: MEZZANOTTE, ROBERT JOHN

Degree: PH.D.

Year: 1982

Corporate Source/Institution: STATE UNIVERSITY OF NEW YORK AT BUFFALO (0656)

Source: VOLUME 43/01-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 281. 128 PAGES

Descriptors: PSYCHOLOGY, EXPERIMENTAL

Descriptor Codes: 0623

Recent theoretical accounts of scene perception have centered on the notion that schemata, memorial structures representing prototypical instances, serve to mediate the perception of scenes and their constituent objects. While there is substantial evidence for the role of schemata in scene perception it is unclear how this information is accessed. One possibility is that the scene is initially represented in terms of the positional relations among uninterpreted shapes. A schema would be accessed by matching this representation against a stored prototype. Alternately, the schema may be accessed through the identification of a few of the more readily perceptable objects.

A series of studies tested whether the positional relations among the bodies in scenes, abstracted to render the individual objects unidentifiable if presented alone, were sufficient to affect the perceptability of a realistically drawn target object.

In the initial, Calibration, study, subjects characterized 24 abstracted scenes. The data from the following experiments was partitioned according to whether subjects could correctly recognize the abstracted scene.

In Experiment I, subjects viewed 100 msec presentations of 480 **abstracted** scenes each **containing** a **single** realistically drawn **object** . Subjects detected the realistically drawn object. The object was either in a normal (defined with respect to the original version of the scene) relationship to the scene or violated one or several expected relationships. Objects undergoing violations were detected less accurately than those in normal relationship to the scene. Increasing the number of violations resulted in increased error rates. The magnitude of the violation effect was not less when the objects appeared in unrecognizable scenes.

In experiment II, subjects viewed 237 slides of 79 objects, each appearing, alone, in good context, and undergoing one or several violations. As in Experiment I, objects undergoing a violation were detected less accurately, however, objects in good context were not detected more accurately than objects alone.

The studies suggest that the positional relations among

unidentified bodies, are sufficient to access enough schematic information of a general nature to mediate the identification of objects in the scene, primarily by inhibiting identifications inconsistent with that information.

7/5/20 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

6604977 INSPEC Abstract Number: C2000-07-6160S-017
Title: Querying video contents by motion example
Author(s): Pu-Jien Cheng; Wei-Pang Yang
Author Affiliation: Dept. of Comput. & Inf. Sci., Nat. Chiao Tung Univ., Hsinchu, Taiwan
Conference Title: Proceedings 1999 International Symposium on Database Applications in Non-Traditional Environments (DANTE'99) (Cat. No.PR00496) p.287-93
Editor(s): Kambayashi, Y.; Takakura, H.
Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
Publication Date: 2000 Country of Publication: USA xvi+481 pp.
ISBN: 0 7695 0496 5 Material Identity Number: XX-2000-01043
U.S. Copyright Clearance Center Code: 0 7695 0496 5/2000/$10.00
Conference Title: Proceedings of 1999 International Symposium on Database Applications in Non-Traditional Environments (DANTE'99)
Conference Sponsor: Grant-in-Aid for Sci. Res. Priority Areas (A); `Adv. Database Syst. Integration of Media & User Environ.'; Kyoto Univ.; Inf. Process. Soc. Japan; ACM Japan; ACM SIGMOD Japan
Conference Date: 28-30 Nov. 1999 Conference Location: Kyoto, Japan
Language: English Document Type: Conference Paper (PA)
Treatment: New Developments (N); Practical (P)
Abstract: This paper presents a new conceptual model for representing visual information about moving objects in video data. Based on available automatic scene segmentation and object tracking algorithms, the proposed model calculates object motions at various levels of semantic granularity. It **represents** trajectory, **color** and dimensions of a **single** moving **object** and the directional and topological relations among multiple objects over a time interval. To facilitate query processing, there are two optimal approximate matching algorithms designed to match time-series visual features of moving objects. Experimental results indicate that the proposed algorithms outperform the conventional subsequence-matching methods substantially in the similarity between the two trajectories. (16 Refs)
Subfile: C
Descriptors: content-based retrieval; image colour analysis; image matching; image motion analysis; image segmentation; tracking; video databases
Identifiers: video content querying; visual information; moving objects; automatic scene segmentation algorithms; automatic object tracking algorithms; object motion; semantic granularity; trajectory; color; dimensions; directional relations; topological relations; query processing; optimal approximate matching algorithms; time-series visual feature matching; subsequence-matching methods
Class Codes: C6160S (Spatial and pictorial databases); C6160M (Multimedia databases); C5260B (Computer vision and image processing techniques)

7/5/26 (Item 7 from file: 2)
DIALOG(R)File 2:INSPEC

5004715 INSPEC Abstract Number: B9509-6140C-103, C9509-1250-083
Title: A method of understanding conceptual diagrams
Author(s): Yoneda, N.; Kise, K.; Takamatsu, S.; Fukunaga, K.
Author Affiliation: Dept. of Comput. & Syst. Eng., Osaka Prefectural Univ., Japan
Conference Title: Proceedings of IAPR Workshop on Machine Vision

Applications p.334-7
Publisher: Univ. Tokyo, Tokyo, Japan
Publication Date: 1994 Country of Publication: Japan x+582 pp.
Conference Title: Proceedings of MVA'94: IAPR Workshop on Machine Vision Applications
Conference Sponsor: Int. Assoc. Pattern Recognition
Conference Date: 13-15 Dec. 1994 Conference Location: Kawasaki, Japan
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A); Practical (P)
Abstract: A conceptual diagram is a line drawing which represents semantic structure of concepts using simple geometric entities. This paper presents a method of understanding conceptual diagrams. The objective of our method is to interpret semantic roles of geometric entities in conceptual diagrams. In conceptual diagrams, however, a **single** geometric **entity** plays various semantic roles for **representing concepts**, because there are no strict rules for writing conceptual diagrams. To cope with this problem, we introduce the strategy of hypothesis generation and verification; hypothesized interpretations are verified by relocation which takes account of the semantic relation to other entities. From the experimental results using 50 conceptual diagrams, we discuss the effectiveness and the limitations of our method. (3 Refs)

14/5/5 (Item 5 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04759538 E.I. No: EIP97073740559
Title: Model C plus plus tree iterator class for binary search trees
Author: Rasala, Richard
Corporate Source: Northeastern Univ, Boston, MA, USA
Conference Title: Proceedings of the 1997 28th SIGCSE Technical Symposium on Computer Science Education
Conference Location: San Jose, CA, USA Conference Date: 19970227-19970301
Sponsor: ACM SIGCSE
E.I. Conference No.: 46660
Source: SIGCSE Bulletin (Association for Computing Machinery, Special Interest Group on Computer Science Education) 1997. p 72-76
Publication Year: 1997
CODEN: SIGSD3 ISSN: 0097-8418
Language: English
Document Type: JA; (Journal Article) Treatment: G; (General Review); T; (Theoretical)
Journal Announcement: 9709W2
Abstract: In object-oriented design, the concept of a container class that holds a collection of similar objects is fundamental. To use a container class most effectively, it is helpful to define one or more associated iterator classes that can return the objects in the container class in a specified order. An iterator is a bridge that permits the caller to use the objects in a container without knowledge of the details of how the **objects** are **stored** in the container. Although the **concept** of iterator is discussed in a number of books on C plus plus and/or object-oriented design, it is difficult to find a complete example that is both elegant and sophisticated. In this article, we provide such an example by developing an iterator class for binary search trees that is capable of doing all standard traversals: inorder, preorder, and postorder. (Author abstract) 9 Refs.
Descriptors: *Object oriented programming; C (programming language); Trees (mathematics); Software engineering; Data structures
Identifiers: Tree iterator classes; Binary search trees
Classification Codes:
723.1.1 (Computer Programming Languages)
723.1 (Computer Programming); 921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory); 723.2 (Data Processing)
723 (Computer Software); 921 (Applied Mathematics)
72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

14/5/6 (Item 6 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04089977 E.I. No: EIP95032612351
Title: Study on the store technique of persistent object
Author: Yang, Fuqing; Shao, Weizhong; Liu, Junfei
Corporate Source: Peking Univ, Beijing, China
Source: Shengxue Xuebao/Acta Acustica v 19 n 5 Sept 1994. p 1-8, 16
Publication Year: 1994
CODEN: SHGHAS ISSN: 0371-0025
Language: Chinese
Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical)
Journal Announcement: 9505W1
Abstract: The store technique of persistent object provides programmers with the manipulation capacity of RAM and disks on the level of high languages. The study of the store technique of a persistent object is substantiated in the practice of persistent object-oriented programming languages (POOPL), object-oriented databases (OODB) and object management systems (OMS). This paper dealt with the basic **concepts** and requirements concerning the **store** of persistent **objects**, formulating POOPL, OODB and

OMS. In addition, the paper discussed briefly the prototype design of distributed object store as well as the design of JB2 OMS. (Edited author abstract) 20 Refs.
Descriptors: *Data storage equipment; Data processing; Database systems; Object oriented programming; Computer programming languages
Identifiers: Storage technique; Persistent object; Object management system; Object oriented database
Classification Codes:
723.1.1 (Computer Programming Languages)
723.1 (Computer Programming); 723.2 (Data Processing); 723.3 (Database Systems)
723 (Computer Software)
72 (COMPUTERS & DATA PROCESSING)

14/5/8 (Item 8 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

03091945 E.I. Monthly No: EIM9107-031484
Title: Distributed object oriented knowledgebases.
Author: McGregor, D. R.
Conference Title: Colloquium on Very Large Knowledge-Based Systems
Conference Location: London, Engl Conference Date: 19900601
E.I. Conference No.: 13567
Source: IEE Colloquium (Digest) n 96. Publ by IEE, Michael Faraday House, Stevenage, Engl. 7p
Publication Year: 1990
CODEN: DCILDN
Language: English
Document Type: PA; (Conference Paper) Treatment: A; (Applications)
Journal Announcement: 9107
Abstract: The aim of this work is to advance the state of technology of large Object Knowledgebases so as to be capable of handling the operations of a large organisation in an integrated and cohesive way, while providing the minimum restriction on its flexibility to meet future development needs. We have discussed the Distributed Object Oriented Database from a number of viewpoints. The attractions of the concept from the users' standpoint, where the system can be seen as a combination of largely independent systems, are noted. The desirability of having universal object names as 'handles' was indicated, and mechanisms for instantiating them to physical addresses are outlined. We have presented an abstract model - the Object Virtual Relational Model for **Object** Oriented Database Systems. This combines the **concepts** of a Persistent **Object Store** , with those of the Relational Datamodel. 7 Refs.
Descriptors: *EXPERT SYSTEMS--*Knowledge Bases; DATABASE SYSTEMS--Distributed; COMPUTER PROGRAMMING--Object Oriented Programming; COMPUTER SYSTEMS, DIGITAL--Multiprocessing
Identifiers: TRANSPUTERS
Classification Codes:
723 (Computer Software); 722 (Computer Hardware)
72 (COMPUTERS & DATA PROCESSING)

14/5/9 (Item 9 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

02813536 E.I. Monthly No: EI8911111679
Title: MOKUM: an object-oriented active knowledge base system.
Author: van de Riet, R. P.
Corporate Source: Vrije Univ, Amsterdam, Neth
Source: Data & Knowledge Engineering v 4 n 1 Jul 1989 p 21-42
Publication Year: 1989
CODEN: DKENEW ISSN: 0169-023X
Language: English
Document Type: JA; (Journal Article) Treatment: A; (Applications); X; (Experimental)

Journal Announcement: 8911

Abstract: Mokum is a knowledge base system, under development in our department. Knowledge is represented in the form of **objects** and a **conceptual** model. The **objects** are **stored** in relations in a relational database system. The conceptual model is represented in the form of Prolog rules and tables in the data dictionary. This makes it possible to combine the efficiency of the database for storing the vast amounts of data and reasoning capacity of Prolog to obtain a database of intelligent agents, also called an active database. Conceptually, objects reflect active entities in the Universe of Discourse sending and receiving messages, changing their state and type creating and deleting other entities. The conceptual model defines static structure and dynamic behaviour of these objects. It uses inferencing techniques and it is itself susceptible to reasoning. (Author abstract) 36 Refs.

Descriptors: *ARTIFICIAL INTELLIGENCE; DATABASE SYSTEMS--Relational; COMPUTER PROGRAMMING--Algorithms

Identifiers: MOKUM; KNOWLEDGE BASED SYSTEMS; LOGIC PROGRAMMING; ACTIVE DATABASES; OBJECT ORIENTED SYSTEMS

Classification Codes:
723 (Computer Software)
72 (COMPUTERS & DATA PROCESSING)

14/5/12 (Item 3 from file: 35)

01239952 ORDER NO: AAD92-26955

OBJECT-ORIENTED REPRESENTATION MODEL OF CONSTRUCTION TECHNOLOGY INFORMATION (INFORMATION MANAGEMENT)

Author: LEU, SOU-SEN
Degree: PH.D.
Year: 1992
Corporate Source/Institution: THE UNIVERSITY OF MICHIGAN (0127)
Chair: PHOTIOS G. IOANNOU

Source: VOLUME 53/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 2447. 242 PAGES
Descriptors: ENGINEERING, CIVIL; COMPUTER SCIENCE; INFORMATION SCIENCE
Descriptor Codes: 0543; 0984; 0723

The expedient introduction of emerging construction technologies into practice is one of the most effective methods for improving product quality and decreasing costs. For advanced technology to be incorporated in the construction industry, it must first be identified and evaluated during the design and construction planning phases. However, the industry still lacks an efficient system for the rapid identification and evaluation of potential technology solutions. Even though information proliferates, it is too unstructured to be readily used at a moment's notice. This lack of organization, when coupled with the natural human tendency to stay with the tried and true, is probably the major cause of the slow rate of technology transfer and adaptation in the construction industry. The situation can obviously be improved by providing the industry with a sufficient information management system. This system must have a convenient user interface and an integrated data structure which encompasses all the technology information that might be required for planning and design decisions, while satisfying the users' needs for various degrees of detail at different design and planning stages. The research proposes a construction technology information system (CTIS) that can meet the above requirements.

The semantic data model (SDM) is used for representing the conceptual schemata of construction technology information. It is a first attempt to explicitly specify the technologies and their relationships using an object-oriented approach. There are several benefits to this approach: it is easy to construct a hierarchical structure that can satisfy the various needs at different design and planning stages and a huge, integrated information system can readily be developed by identifying technology objects and their relationships.

A CTIS prototype developed in this research demonstrates the

sufficiency of the object-oriented approach. The prototype was implemented using a hypertext-structured database system which also adheres to the **object** -oriented **concept** . **Objects** are used to **store** all possible forms of data types, including text, graphics, etc., and relationships are regarded as explicit links which let users search and browse the "information space". Due to its modularity, future extensions of the system can be done easily.

14/5/27 (Item 2 from file: 34)

00840989 Genuine Article#: FA920 Number of References: 0
(NO REFS KEYED)

Title: IDEA - INTELLIGENT DATA-RETRIEVAL IN ENGLISH FOR AGRICULTURE

Author(s): JONES LR; SPAHR SL
Corporate Source: CORNELL UNIV,DAIRY HERD MANAGEMENT,272 MORRISONHALL/ITHACA//NY/14853

Journal: AI APPLICATIONS IN NATURAL RESOURCE MANAGEMENT, 1991, V5, N1, P 56-66
Language: ENGLISH Document Type: ARTICLE
Geographic Location: USA
Subfile: SciSearch; CC AGRI--Current Contents, Agriculture, Biology & Environmental Sciences
Journal Subject Category: ENVIRONMENTAL SCIENCES; COMPUTER APPLICATIONS & CYBERNETICS

Abstract: A knowledge-based natural language interface called IDEA was developed to help dairy producers retrieve information from a microcomputer-based database. IDEA first syntactically analyzes the grammatical structure of a query using the traditional augmented transition network approach to parsing. Other natural-language interfaces convert this syntactic form to a formal procedure that can be evaluated to retrieve data. This approach, known as "procedural semantics," tightly couples the grammatical analysis with database-specific details. The semantic approach used by IDEA is to convert its syntactic form to an underlying domain-specific concept which is independent of the database. This approach has been termed " **conceptual** semantics." **Concepts** are **stored** as knowledge-based **objects** in the data dictionary and contain procedures for retrieving and displaying database-specific information related to a concept. Represented in an object-oriented fashion, a concept can request another concept to print additional pertinent information to place the requested data in their proper context. The data dictionary supports the ability to formulate database-sensitive answers.

```
File 347:JAPIO Nov 1976-2004/Nov(Updated 050309)
         (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200519
         (c) 2005  Thomson Derwent

Set     Items   Description
S1         81   (STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN??? OR COMPRIS?-
               ?? OR CONSIST??? OR REPRESENT?)(7N)(CONCEPT? OR IDEA OR IDEAS-
               )(7N)OBJECT? ?
S2         59   S1 AND IC=G06F
S3         28   S2 AND AC=US/PR
S4         20   S3 AND AY=(1970:2000)/PR
S5         34   S2 AND PY=1970:2000
S6         43   S4:S5
```

6/5/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO

04290657 **Image available**
NAMING IDEA SUPPORTING SYSTEM

PUB. NO.: 05-282357 [JP 5282357 A]
PUBLISHED: October 29, 1993 (**19931029)**
INVENTOR(s): KONNO HIROSHI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-077250 [JP 9277250]
FILED: March 31, 1992 (19920331)
INTL CLASS: [5] **G06F-015/38**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)
JOURNAL: Section: P, Section No. 1687, Vol. 18, No. 70, Pg. 135, February 04, 1994 (19940204)

ABSTRACT
PURPOSE: To effectively support a human idea in naming of things.

CONSTITUTION: A Japanese language analyzing part 2 connected to a terminal 1 is connected to a preserving part 3, a comparing part 4 and a presenting part 5 connected to a data base 6. In the data base 6, a nomenclature example of things is preserved in advance by using an expression for coupling a conception to a conception related thereto. Each nomenclature example is constituted of a preserving feature expression related to a feature of each thing and a preserving name expression related to a name of its thing. A user inputs an object feature expression related to the feature of the thing to be named from the terminal 1. The comparing part 4 retrieves such a similar example that the whole or a part of the **object** feature expression becomes a corresponding expression **containing** a **conception** in the preserving feature expression. The presenting part 5 replaces these key conceptions with the corresponding conception corresponding thereto in the corresponding expression, respectively. With respect to an inquiry sentence, the left side is replenished by an idea inputted by the user, and it becomes an object name expression.

6/5/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO

04213281 **Image available**
INFORMATION STORING/RETRIEVING SYSTEM AND DISPLAY METHOD THEREFOR

PUB. NO.: 05-204981 [JP 5204981 A]
PUBLISHED: August 13, 1993 (**19930813)**
INVENTOR(s): YAMAZAKI NAOKO
KIUCHI ITSUKO
HASHIMOTO TETSUYA
FUJISAWA HIROMICHI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-249194 [JP 92249194]
FILED: September 18, 1992 (19920918)
INTL CLASS: [5] **G06F-015/40 ; G06F-015/40 ; G06F-003/14 ; G06F-009/44 ; G06F-012/00 ; G06F-015/403**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units); 45.2 (INFORMATION PROCESSING -- Memory Units); 45.3 (INFORMATION PROCESSING -- Input Output Units)
JOURNAL: Section: P, Section No. 1649, Vol. 17, No. 634, Pg. 157, November 24, 1993 (19931124)

ABSTRACT
PURPOSE: To provide a system and its display method which **stores** the fact

information described in an **object concept** and a relation **concept** in a knowl edge base, easily inputs and corrects the fact information, easily retrieves the browsing and the object concept, and effectively uses the screen area for display.

CONSTITUTION: The means 203, 204, 301, 304 and 315 input the fact information based on a concept dictionary which defines the hierarchical relation of concepts, and the information on the grammatical rules which define the cemantic structure of a case and a concept available to the case, and the display pattern of a template for a specific relation concept and with the use of a multi-window function. The means 304, 306, 307 and 309 store and retrieve the fact information. Then the screen display means 202, 320 and 305 display the hierarchical structures of both object and relation concepts through a concept tree window

6/5/9 (Item 9 from file: 347)

04028373 **Image available**
KNOWLEDGE BASE SYSTEM

PUB. NO.: 05-020073 [JP 5020073 A]
PUBLISHED: January 29, 1993 (**19930129)**
INVENTOR(s): ODA TOSHIHIKO
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-169682 [JP 91169682]
FILED: July 10, 1991 (19910710)
INTL CLASS: [5] **G06F-009/44**
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 1551, Vol. 17, No. 296, Pg. 54, June 07, 1993 (19930607)

ABSTRACT

PURPOSE: To efficiently describe common information on an object by evading the inclusion of a collective concept like inclusion relation in IS A relation.

CONSTITUTION: The knowledge base system employs structural expression of an object-event world and **object** -centered expression as its model framing and organizes and controls knowledge according to the **concept** of the **object** - centered **concept** . When an assembly of **objects** having common attributes is **represented** with the **concept** of a set, an expressing means expresses the set as an **object** called a collective **object** CO of objects and information that the objects of set elements have in common and information that the set itself has are held by the collective object.

6/5/10 (Item 10 from file: 347)

03592648 **Image available**
STORAGE MANAGING SYSTEM FOR OBJECT

PUB. NO.: 03-255548 [JP 3255548 A]
PUBLISHED: November 14, 1991 (**19911114)**
INVENTOR(s): KIMURA YUTAKA
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-054134 [JP 9054134]
FILED: March 05, 1990 (19900305)
INTL CLASS: [5] **G06F-012/00**
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)
JOURNAL: Section: P, Section No. 1311, Vol. 16, No. 58, Pg. 6, February 13, 1992 (19920213)

ABSTRACT

PURPOSE: To eliminate the need for changing a concept object managing part and its object group even if the specifications of a file organization are changed by placing information related to a file in the management of the object managing part and sharing it.

CONSTITUTION: This system is provided with an object **storage** part 107, a file **object storage** part 115, a file **object** managing part 108, and a **concept object** managing part 100, and in accordance with procedure information 100, 109, read-out and write of an object which is subjected to input designation are executed. That is, the object managing part is divided into two layers of the concept object managing part 100 and the file object managing part 108, and the procedures of a file reference and a data conversion are described in the file object managing part 108. In such a manner, the reference of the object having the same file organizing method is shared, and even if the specifications of the file organizing method are changed, no influence is exerted on the object group belonging to the concept object managing part 100, and the data conversion and the file reference/write are facilitated.

6/5/18 (Item 4 from file: 350)

014573881
WPI Acc No: 2002-394585/200242
Related WPI Acc No: 2002-405376; 2002-405377; 2002-508012
XRPX Acc No: N02-309355

Visual optimal ordered knowledge system organizes knowledge objects logically according to learning structure

Patent Assignee: VENKATRAM S (VENK-I)
Inventor: VENKATRAM S

Number of Countries: 089 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200233506	A2	20020425	WO 2001IN170	A	20011008	200242	B
US 20020049689	A1	20020425	US 2000242389	P	20001020	200242	
			US 2001902067	A	20010710		
AU 200221025	A	20020429	AU 200221025	A	20011008	200255	
EP 1328856	A2	20030723	EP 2001987905	A	20011008	200350	
			WO 2001IN170	A	20011008		
US 20030208507	A1	20031106	US 2000546704	A	20000410	200374	
			US 2000242385	P	20001020		
			US 2000242389	P	20001020		
			US 2000242390	P	20001020		
			US 2000242661	P	20001023		
			US 2001902280	A	20010710		

Priority Applications (No Type Date): US 2000242389 P 20001020; US 2001902067 A 20010710; US 2000546704 A 20000410; US 2000242385 P 20001020 ; US 2000242390 P 20001020; US 2000242661 P 20001023; US 2001902280 A 20010710

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200233506	A2	E	47	G06F-000/00	

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020049689 A1 G06F-017/00 Provisional application US 2000242389

AU 200221025 A G06F-000/00 Based on patent WO 200233506

EP 1328856 A2 E G06F-001/00 Based on patent WO 200233506
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

US 20030208507 A1 G06F-007/00 CIP of application US 2000546704
Provisional application US 2000242385
Provisional application US 2000242389
Provisional application US 2000242390
Provisional application US 2000242661

Abstract (Basic): WO 200233506 A2
NOVELTY - System comprises an access portal articulating knowledge seeker real life outcomes, learning structures implementing logical formatting based on combining outcomes, concepts and knowledge paths, and a knowledge router selecting content requirements using a universal classification knowledge framework. A database **stores** the documents and **objects** , and the learning structures use **concepts** with learning paths. A dothelp platform provides diagnostic help and tagged content is stored digitally.
DETAILED DESCRIPTION - There are INDEPENDENT CLAIMS for (1) a user centric outcome based access engine classification model of individual knowledge objects, (2) a method of optimally ordering knowledge systems, (3) a knowledge management method.
USE - System is for Internet learning.
pp; 47 DwgNo 0/9
Title Terms: VISUAL; OPTIMUM; ORDER; SYSTEM; ORGANISE; OBJECT; LOGIC; ACCORD; LEARNING; STRUCTURE
Derwent Class: T01; W04
International Patent Class (Main): **G06F-000/00** ; **G06F-001/00** ; **G06F-007/00** ; **G06F-017/00**
File Segment: EPI

6/5/19 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014541572 **Image available**
WPI Acc No: 2002-362275/200239
XRPX Acc No: N02-283168
Biological data retrieval method for biological information databases using a biological object model
Patent Assignee: INCYTE GENOMICS INC (INCY-N); COREY E (CORE-I); GUPTA R (GUPT-I); PELTS G L (PELT-I); RUSSO F D (RUSS-I)
Inventor: COREY E; GUPTA R; PELTS G L; RUSSO F D; PELTS G; RUSSO F
Number of Countries: 097 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200221422	A2	20020314	WO 2001US28136	A	20010907	200239 B
US 20020091490	A1	20020711	US 2000230665	A	20000907	200248
			US 2001948383	A	20010906	
AU 200190677	A	20020322	AU 200190677	A	20010907	200251

Priority Applications (No Type Date): US 2000230665 P 20000907; US 2001948383 A 20010906
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200221422	A2	E	31	G06F-019/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020091490 A1 G06F-019/00 Provisional application US 2000230665

AU 200190677 A G06F-019/00 Based on patent WO 200221422

Abstract (Basic): WO 200221422 A2
NOVELTY - The biological **object** model **represents** the relationship between biological **concepts** extracted from the biological database. The biological **object** is a combination of the

data and a description of the behavior of each biological object. The database engine retrieves information and the mapping engine represents the data as objects according to the biological object model.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for

(1) a computer program.

(2) a biological database system

USE - For representing and manipulating biological information stored in a object orientated biological database.

ADVANTAGE - The database engine enables a user to retrieve biological data from the database stored in any format and represent the data as objects according to the biological object model.

DESCRIPTION OF DRAWING(S) - The drawing shows a flow diagram of the retrieval process for biological information.

pp; 31 DwgNo 9/9

Title Terms: BIOLOGICAL; DATA; RETRIEVAL; METHOD; BIOLOGICAL; INFORMATION; BIOLOGICAL; OBJECT; MODEL

Derwent Class: T01

International Patent Class (Main): **G06F-019/00**

File Segment: EPI

6/5/20 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014308809 **Image available**

WPI Acc No: 2002-129512/200217

XRPX Acc No: N02-097652

Search index management system for concept based Internet searching has memory modification to allow users to create additional association indicators to interactively modify search index

Patent Assignee: UNISYS CORP (BURS)

Inventor: GOIFFON D A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6327593	B1	20011204	US 98220209	A	19981223	200217	B

Priority Applications (No Type Date): US 98220209 A 19981223

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6327593	B1		25	G06F-017/30	

Abstract (Basic): US 6327593 B1

NOVELTY - The search index management system for **storing objects comprises** a user interface for receiving indicators of a natural language **concept** from a user, coupled to a search method to locate all the locator elements in the memory and storing the indicators from the user and to locate any related asset element for each locator element. Memory modification allows the user to create additional association indicators to selectably relate one of the located locator elements with selected located asset elements where the selected located asset element is newly-associated with an additional one of the natural language concepts.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of performing a search where the results are stored in memory.

USE - To modify a network of natural language concepts used in performing a concept-based search on a corpus of data items on Internet searches.

ADVANTAGE - Users are allowed to interactively modify a search index to include search terms not previously included in the index and to reflect the vocabulary and linguistic patterns of the search system.

DESCRIPTION OF DRAWING(S) - The drawing shows a flowchart of the method used by the element locator to accomplish a search for the repository.

pp; 25 DwgNo 5/11

Title Terms: SEARCH; INDEX; MANAGEMENT; SYSTEM; CONCEPT; BASED; SEARCH; MEMORY; MODIFIED; ALLOW; USER; ADD; ASSOCIATE; INDICATE; INTERACT;

MODIFIED; SEARCH; INDEX
Derwent Class: T01
International Patent Class (Main): **G06F-017/30**
File Segment: EPI

6/5/21 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014172808 **Image available**
WPI Acc No: 2001-657036/200175
XRPX Acc No: N01-489750

System for representing related concepts of data to be stored as catalog product information using relationships to link to concepts together using independent aspects

Patent Assignee: COLLEGO CORP (COLL-N); MRO SOFTWARE INC (MROS-N)
Inventor: LESCHNER J
Number of Countries: 095 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200175682	A1	20011011	WO 2001US9750	A	20010327	200175	B
AU 200149483	A	20011015	AU 200149483	A	20010327	200209	
US 6519588	B1	20030211	US 2000541335	A	20000403	200314	

Priority Applications (No Type Date): US 2000541335 A 20000403
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200175682	A1	E	52	G06F-017/30	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200149483	A		G06F-017/30	Based on patent WO 200175682
US 6519588	B1		G06F-015/40	

Abstract (Basic): WO 200175682 A1

NOVELTY - A concept table entry (108a) has a unique identification of catalog service (10), a concept name of a string ''tree 1 root'' corresponding to the product tree 1 root 70 or may have a name equal to that of a specific product information catalog. The other entries (108) correspond to other products and entries (122) in a relationship table (120).

DETAILED DESCRIPTION - Each entry defines a relationship between a subject **concept** and an **object concept stored** in an **object** field (132). Aspects of a relationship are independently defined by values **contained** in relationship **concepts** (126), relationship type (128) and order (130) fields.

INDEPENDENT CLAIMS are included for a method for storing related data and for a computer program product with a program.

USE - Representing, storing and retrieving product information.

ADVANTAGE - Efficient product retrieval and/or comparison.

DESCRIPTION OF DRAWING(S) - The drawing shows tables used in the system

Concept table entries (108)
Relationship table entries (122)
Object field (132)
Relationship concept field (126)
Relationship type field (128)
pp; 52 DwgNo 4/7

Title Terms: SYSTEM; REPRESENT; RELATED; CONCEPT; DATA; STORAGE; CATALOGUE; PRODUCT; INFORMATION; RELATED; LINK; CONCEPT; INDEPENDENT; ASPECT
Derwent Class: T01
International Patent Class (Main): **G06F-015/40** ; **G06F-017/30**
File Segment: EPI

6/5/34 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010221853 **Image available**
WPI Acc No: 1995-123108/ **199516**
XRPX Acc No: N95-097366
Artificial intelligence software shell for plant operation control process simulation - has blackboard module including database having objects representing plant elements and concepts , and control module with event detector module and activation or agenda manager module
Patent Assignee: MITSUBISHI DENKI KK (MITQ)
Inventor: BAUMAN D A; LOWENFELD S; SCHULTZ B A; THOMPSON R W
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5398304	A	19950314	US 92994668	A	19921222	199516	B

Priority Applications (No Type Date): US 92994668 A 19921222
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5398304	A		51	G06F-015/18	

Abstract (Basic): US 5398304 A
Artificial intelligence software shell includes a blackboard module, at least one knowledge source module including an artificial intelligence operation scheme - in communication with the blackboard module operating on specific predefined blackboard objects, an input data module communication with the blackboard module and at least one knowledge source module - enabling data input to the shell and a control module communicating with the input data module and knowledge source module, receiving all input data and controlling operation of the knowledge source.
A control module, in communication with the knowledge source modules and the input data module, receives all input data and controls operation of the knowledge source modules in accordance with a predetermined knowledge source priority scheme. The control module includes an event detector module having a message evaluator that checks messages for syntax errors before searching a hash table structure in the event detector.
USE/ADVANTAGE - Provides knowledge-based system which possesses functional modules in an overall structure sufficiently broad to be useful in diverse plant environments. Combines power of computer with expertise of operators to yield a tool that provides diagnostic information and monitors operation of plant.
Dwg.8/35
Title Terms: ARTIFICIAL; INTELLIGENCE; SOFTWARE; SHELL; PLANT; OPERATE; CONTROL; PROCESS; SIMULATE; BLACKBOARD; MODULE; DATABASE; OBJECT; REPRESENT; PLANT; ELEMENT; CONCEPT; CONTROL; MODULE; EVENT; DETECT; MODULE; ACTIVATE; MANAGE; MODULE
Derwent Class: T01
International Patent Class (Main): **G06F-015/18**
File Segment: EPI

6/5/36 (Item 22 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009917500 **Image available**
WPI Acc No: 1994-185211/ **199423**
XRPX Acc No: N94-146247
Automated system and method for knowledge based design - stores conceptual model elements and stereotype knowledge bases for selection and matching to generate design model elements
Patent Assignee: TEXAS INSTR INC (TEXI); STERLING SOFTWARE INC (STER-N)
Inventor: ABBOTT J R; ODWYER J; SHORT K W; O'DWYER J

Number of Countries: 007 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 601848	A2	19940615	EP 93309879	A	19931208	199423	B
AU 9352221	A	19940623	AU 9352221	A	19931208	199430	
EP 601848	A3	19950920	EP 93309879	A	19931208	199615	
US 5539862	A	19960723	US 92986657	A	19921208	199635	
AU 675671	B	19970213	AU 9352221	A	19931208	199715	
US 5706405	A	19980106	US 92986657	A	19921208	199808	
			US 95561901	A	19951122		

Priority Applications (No Type Date): US 92986657 A 19921208; US 95561901 A 19951122
Cited Patents: No-SR.Pub; US 4949253; US 5084813; US 5159687
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 601848	A2	E	30	G06F-009/44	
Designated States (Regional): DE FR GB IT NL					
US 5539862	A		16	G06F-017/00	
AU 675671	B			G06F-015/20	Previous Publ. patent AU 9352221
US 5706405	A		16	G06F-019/00	Cont of application US 92986657
					Cont of patent US 5539862
AU 9352221	A			G06F-015/20	
EP 601848	A3			G06F-009/44	

Abstract (Basic): EP 601848 A

The system includes storage circuitry for storing a number of stereotype knowledge bases, from which one is selectable. Scripts are applied in response to the selected knowledge base to generate a number of design model elements. The selection circuitry operates in response to a user selection instruction.

Matching circuitry is also included in the selection circuitry, for matching one of the conceptual model elements with one of the stereotype knowledge bases to select the closest match. User instructions are used to modify the conceptual model elements and also incorporate changes in the design model elements.

ADVANTAGE - Enhances productivity throughout development life cycle, by utilising automated design process.

Dwg.1/8

Title Terms: AUTOMATIC; SYSTEM; METHOD; BASED; DESIGN; STORAGE; MODEL; ELEMENT; STEREOTYPE; BASE; SELECT; MATCH; GENERATE; DESIGN; MODEL; ELEMENT
Derwent Class: T01
International Patent Class (Main): **G06F-009/44 ; G06F-015/20 ; G06F-017/00 ; G06F-019/00**
File Segment: EPI

6/5/41 (Item 27 from file: 350)
DIALOG(R)File 350:Derwent WPIX

008842678 **Image available**
WPI Acc No: 1991-346694/ **199147**
XRPX Acc No: N91-265449

Information control system for selectively locking entity - controls process operations against conceptual structures formed of entities embodied on complex infrastructure

Patent Assignee: AT & T BELL LAB (AMTT)
Inventor: JORDAN J D
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5063503	A	19911105	US 89452094	A	19891218	199147	B

Priority Applications (No Type Date): US 89452094 A 19891218

Abstract (Basic): US 5063503 A

The apparatus for controlling concurrent process operations against **conceptual** structures each formed of entities embodied on a complex infrastructure **comprising** tree structures of complex **object** nodes. The apparatus comprises a device associated with each of the nodes and responsive to a request of one of the process operations for one of node, tree and intermediate reserve, exclusive and share locks for selectively locking an entity with the requested lock to lock the entity and structures of entities dependent on the locked entity to enable concurrently running ones of the process operations access to the locked entity and dependent entities.

A device responsive to the selectively locking device implements the entity lock onto an infrastructure node and tree structurse of nodes embodying the locked entities thereby enabling concurrently running process operations access to node information relating to the locked entity and dependent entities. (12pp Dwg.No.1/6

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File 348:EUROPEAN PATENTS 1978-2005/Mar W02
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050317,UT=20050310
         (c) 2005 WIPO/Univentio

Set     Items   Description
S1      51693   (SINGLE OR ONE OR LONE OR DISTINCT)(2W)(OBJECT? ? OR ENTITY
             OR ENTITIES)
S2      15689   (HIERARCH? OR TREE? ?)(5N)(CONTAINER? ? OR FOLDER? ? OR ST-
             RUCTURE? ? OR LIST? ?)
S3      21497   (STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN??? OR COMPRIS?-
             ?? OR CONSIST??? OR REPRESENT?)(7N)(CONCEPT? OR IDEA OR IDEAS
             OR ABSTRACT? OR INTANGIBLE OR INDEFINABLE)
S4      59144   (STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN??? OR COMPRIS?-
             ?? OR CONSIST??? OR REPRESENT?)(7N)(COLOR? ? OR COLOUR? ?)
S5         94   S3:S4(7N)S1
S6         54   S5 AND AC=US/PR
S7         44   S6 AND AY=(1970:2000)/PR
S8         58   S5 AND PY=1970:2000
S9         76   S7:S8
S10       119   S3:S4(7N)S2
S11         8   S10(10N)OBJECT? ?
S12        41   S3:S4(10N)S2(10N)OBJECT? ?
S13        39   S12 NOT S5
S14        30   S13 AND AC=US/PR
S15        12   S14 AND AY=(1970:2000)/PR
S16        10   S13 AND PY=1970:2000
S17        17   S15:S16
S18      1237   (STOR??? OR HOLD??? OR RETAIN??? OR CONTAIN??? OR COMPRIS?-
             ?? OR CONSIST??? OR REPRESENT?)(7N)CONCEPT?(7N)OBJECT? ?
S19       153   S18(50N)(HIERARCH? OR TREE? ?)
S20        33   S18(50N)S2
S21        22   S20 NOT (S5 OR S13)
S22        13   S21 AND AC=US/PR
S23        12   S22 AND AY=(1970:2000)/PR
S24        13   S21 AND PY=1970:2000
S25        17   S23:S24
S26      1025   OBJECT? ?(7N)(STORE? ? OR STORING OR CONTAIN??? OR REPRESE-
             NT?)(7N)CONCEPT?
S27       108   S26(30N)(HIERARCH? OR TREE? ?)
S28        86   S27 NOT (S5 OR S12 OR S20)
S29        74   S28 AND AC=US/PR
S30        68   S29 AND AY=(1970:2000)/PR
S31        66   S28 AND PY=1970:2000
S32        73   S30:S31
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9/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01236606
REPRESENTING, RECORDING, REPRODUCING AND COMMUNICATION METHOD FOR COMPUTER OBJECTS USING COLOR, RECORDING AND/OR REPRODUCING DEVICE, RECORDING MEDIUM, AND ENCRYPTING METHOD
VERFAHREN ZUR DARSTELLUNG,AUFZEICHNUNG,WIEDERGABE UND KOMMUNIKATION FUR RECHNEROBJEKTE UNTER VERWENDUNG VON FARBE, AUFZEICHNUNGS-UND WIEDERGABEVORRICHTUNG, AUFZEICHNUNGSGERAT UND VERSCHLUSSELUNGSVERFAHREN
PROCEDE DE REPRESENTATION, ENREGISTREMENT, REPRODUCTION ET COMMUNICATION, DESTINE A DES OBJETS INFORMATIQUES EN COULEUR, DISPOSITIF D'ENREGISTREMENT ET/OU LECTURE, SUPPORT D'ENREGISTREMENT ET PROCEDE DE CRYPTAGE
PATENT ASSIGNEE:
Tani Electronics Corporation, (3185520), 10-3, Miyoshi 3-Chome, Koto-Ku, Tokyo 135-0022, (JP), (Applicant designated States: all)
INVENTOR:
TANI, Okie, 10-3, Miyoshi 3-chome, Koto-ku, Tokyo 135-0022, (JP)
LEGAL REPRESENTATIVE:
Prins, Adrianus Willem (20903), Vereenigde, Nieuwe Parklaan 97, 2587 BN Den Haag, (NL)
PATENT (CC, No, Kind, Date): EP 1100037 A1 010516 (Basic)
WO 200072228 001130
APPLICATION (CC, No, Date): EP 2000931540 000524; WO 2000JP3315 000524
PRIORITY (CC, No, Date): JP 99182235 990524
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06K-001/12; G06K-007/12; G06K-019/06; G06C-005/00
ABSTRACT WORD COUNT: 78

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200120	2532
SPEC A	(English)	200120	9064
Total word count - document A			11596
Total word count - document B			0
Total word count - documents A + B			11596

...CLAIMS of a computer object not based on the same.
44. A method of recording a computer object **comprising** establishing a **color** -object relation or **color - color** numerical value relation linking a **single** computer **object** or color numerical value to a combination of a plurality of different general colors and enabling a ...

9/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01144938
METHOD AND DEVICE FOR DETECTING COLOURS OF AN OBJECT
VERFAHREN UND VORRICHTUNG ZUR ERFASSUNG VON OBJEKTFARBEN
PROCEDE ET DISPOSITIF DE DETECTION DES COULEURS D'UN OBJET
PATENT ASSIGNEE:
Max-Planck-Gesellschaft zur Forderung der Wissenschaften e.V., (210792), Hofgartenstrasse 2, 80539 Munchen, (DE), (Proprietor designated states: all)
INVENTOR:
HUB, Andreas, Elmauerstrasse 25, D-81377 Munchen, (DE)
FROMHERZ, Peter, Berchemstrasse 97, D-80686 Munchen, (DE)
LEGAL REPRESENTATIVE:
Hertz, Oliver, Dr. (79051), v. Bezold & Partner, Patentanwalte

Akademiestrasse 7, 80799 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1105843 A1 010613 (Basic)
EP 1105843 B1 021127
WO 2000013143 000309
APPLICATION (CC, No, Date): EP 99944512 990825; WO 99EP6240 990825
PRIORITY (CC, No, Date): DE 19838806 980826
DESIGNATED STATES (Pub A): AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; (Pub B): DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06T-007/40
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): German; German; German
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200248	710
CLAIMS B	(German)	200248	577
CLAIMS B	(French)	200248	796
SPEC B	(German)	200248	6659
Total word count - document A			0
Total word count - document B			8742
Total word count - documents A + B			8742

...CLAIMS determined from a representation of a scene,
- image segmentation of the image data to determine at least **one object** of the **represented** scene, for which one **colour** parameter is substantially constant, and characterised by
- a classification of the colours of the at least one...

9/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01060703
Color image processing apparatus and pattern extracting apparatus
Farbbildverarbeitungsgerat und Gerat zum Extrahieren von Mustern
Appareil de traitement d'images en couleur et appareil d'extraction de structures
PATENT ASSIGNEE:
FUJITSU LIMITED, (211463), 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, (JP), (Applicant designated States: all)
INVENTOR:
Katsuyama, Yutaka, c/o Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, (JP)
LEGAL REPRESENTATIVE:
Stebbing, Timothy Charles et al (59641), Haseltine Lake & Co., Imperial House, 15-19 Kingsway, London WC2B 6UD, (GB)
PATENT (CC, No, Kind, Date): EP 935216 A2 990811 (Basic)
EP 935216 A3 030102
APPLICATION (CC, No, Date): EP 99300472 990122;
PRIORITY (CC, No, Date): JP 98146420 980527; JP 9825419 980206
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06T-005/00
ABSTRACT WORD COUNT: 60
NOTE:
Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9932	3610
SPEC A	(English)	9932	28761
Total word count - document A			32371
Total word count - document B			0
Total word count - documents A + B			32371

...SPECIFICATION threshold value as a character string. The external outputting unit 72 displays the extracted character string.
When **one object** is extracted from a **color** scenery image, the **representative colors** of adjacent areas of the label image are converted into information of such as HSV (Hue, Saturation...

9/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01047660
DISTRIBUTED VIRTUAL ENVIRONMENT
VERTEILTE VIRTUELLE UMGEBUNG
ENVIRONNEMENT VIRTUEL DISTRIBUE
PATENT ASSIGNEE:
BRITISH TELECOMMUNICATIONS public limited company, (846100), 81 Newgate Street, London EC1A 7AJ, (GB), (Proprietor designated states: all)
INVENTOR:
POWERS, Simon, Julian, 2A Redan Street,Ipswich, Suffolk IP1 3PQ, (GB)
HINDS, Michael, Reuben, 25 Spriteshall Lane,Trimley St. Mary, Felixstowe,Suffolk IP11 9QY, (GB)
MORPHETT, Jason, 56 Kingsgate Drive,Ipswich, Suffolk IP4 4DH, (GB)
LEGAL REPRESENTATIVE:
Lidbetter, Timothy Guy Edwin et al (77332), BT Group Legal Services, Intellectual Property Department, 8th Floor, Holborn Centre, 120 Holborn, London EC1N 2TE, (GB)
PATENT (CC, No, Kind, Date): EP 1027677 A1 000816 (Basic)
EP 1027677 B1 020522
WO 9921117 990429
APPLICATION (CC, No, Date): EP 98947697 981019; WO 98GB3121 981019
PRIORITY (CC, No, Date): GB 9722343 971022
DESIGNATED STATES: DE; ES; FR; GB; IT; NL
INTERNATIONAL PATENT CLASS: G06F-019/00; A63F-013/12; G06F-017/30; G06T-015/00
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200221	1091
CLAIMS B	(German)	200221	1238
CLAIMS B	(French)	200221	1188
SPEC B	(English)	200221	11101
Total word count - document A			0
Total word count - document B			14618
Total word count - documents A + B			14618

...SPECIFICATION number of Representative Objects created to model the entity. For each entity existing in the VE a **single Conceptual Representative Object** 10 and a **single** Dynamic **Representative Object** 12 is created. However it will be clear that a Visual Representative Object 14 must be instanced...

9/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00960154
Information technology architecture
Informationstechnologoearchitektur
Architectue pour la technique de l'information
PATENT ASSIGNEE:
NCR INTERNATIONAL INC., (1449480), 1700 South Patterson Boulevard, Dayton, Ohio 45479, (US), (applicant designated states: DE;FR;GB)
INVENTOR:

Fintel, Robert P., 125 Southlake Drive, Centerville, OH 45459, (US)
Karlsen, Dag, Drasundveien 22, 3189 Horten, (NO)
Gatehouse, Montague H., 49 Beaconsfield Road, Basingstoke, Hampshire, RG21 3DG, (GB)
Hope, Julian C., Skogveien 15, 1342 Jar, (NO)
Osnes, Laila Rabe, Aarfuglveien 5, 3123 Toensberg, (NO)
Hoeyte, Jarle, Reirveien 22, 3184 Horten, (NO)
Edwards, John R., 1166 Woodland Meadows Drive, Vandalia OH 45377, (US)
LEGAL REPRESENTATIVE:
Williamson, Brian et al (84717), NCR Limited International Patent Department 206 Marylebone Road, London NW1 6LY, (GB)
PATENT (CC, No, Kind, Date): EP 871112 A1 981014 (Basic)
APPLICATION (CC, No, Date): EP 98301439 980226;
PRIORITY (CC, No, Date): US 814181 970310; US 815409 970310; US 914415 970819; US 914542 970819; US 914559 970819; US 914562 970819; US 914747 970819
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-009/44
ABSTRACT WORD COUNT: 78

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9842	1064
SPEC A	(English)	9842	24656
Total word count - document A			25720
Total word count - document B			0
Total word count - documents A + B			25720

...SPECIFICATION function each has its unique characteristics. More specifically, Business Alignment sub-methodology is a hierarchical decomposition and **abstraction** modeling process. It **consists** relationship types between objects where **one object** is further defined or specified in terms of lower or higher level objects. These relationship types are...

9/3,K/12 (Item 12 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00825978
METHODOLOGY FOR GENERATING OBJECT STRUCTURES FOR ACCESSING CONVENTIONAL, NON-OBJECT-ORIENTED BUSINESS APPLICATIONS
VERFAHREN ZUR ERZEUGUNG VON OBJEKTSTRUKTUREN FUR DEN ZUGRIFF AUF KONVENTIONELLE, NICHT OBJEKT-ORIENTIERTE GESCHAFTSANWENDUNGEN
METHODOLOGIE POUR GENERER DES STRUCTURES D'OBJETS POUR ACCEDER A DES APPLICATIONS DE GESTION CONVENTIONNELLES ET NON ORIENTEES OBJETS
PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (Proprietor designated states: all)
INVENTOR:
BAUMEISTER, Sascha, Triebweg 105, D-70469 Stuttgart, (DE)
BEISIEGEL, Michael, Taunusstrasse 72, D-71032 Boblingen, (DE)
DUSCHER, Reinhard, Im Eichenpfadle 54, D-71034 Boblingen, (DE)
LEGAL REPRESENTATIVE:
Duscher, Reinhard (DE), Dr. (94081), IBM Deutschland GmbH, Intellectual Property, Pascalstrasse 100, D-70548 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 783733 A1 970716 (Basic)
EP 783733 B1 011114
WO 9641258 961219
APPLICATION (CC, No, Date): EP 95922524 950607; WO 95EP2181 950607
PRIORITY (CC, No, Date): EP 95922524 950607; WO 95EP2181 950607
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-009/44
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200146	2637
CLAIMS B	(German)	200146	2575
CLAIMS B	(French)	200146	2982
SPEC B	(English)	200146	10543
Total word count - document A			0
Total word count - document B			18737
Total word count - documents A + B			18737

...CLAIMS of Claim 7 and anyone of the preceding claims further comprising the steps of
generating at least **one** Communication **Object** CO class offering an **abstract** protocol **consisting** in OO-methods START, STOP, TRANSMIT with equal semantics as the abstract protocol of said TO class...

9/3,K/13 (Item 13 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00779157
3D graphics apparatus
3D-graphisches Gerat
Appareil graphique 3D
PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
Kawase, Kei, 3-1-3-203, Sounan, Sagamihara-shi, Kanagawa-ken, (JP)
Nakamura, Fusashi, 2-2-11, Kinuta, Setagaya-ku, Tokyo-to, (JP)
Takatsu, Yoshihisa, 2570-1-812, Shimotsuruma, Yamato-shi, Kanagawa-ken, (JP)
LEGAL REPRESENTATIVE:
Davies, Simon Robert (75451), I B M UK Intellectual Property Department Hursley Park, Winchester, Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 727764 A1 960821 (Basic)
APPLICATION (CC, No, Date): EP 96300527 960125;
PRIORITY (CC, No, Date): JP 9525023 950214
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06T-015/10;
ABSTRACT WORD COUNT: 268

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	434
SPEC A	(English)	EPAB96	7256
Total word count - document A			7690
Total word count - document B			0
Total word count - documents A + B			7690

...SPECIFICATION 7).
Accordingly, the invention provides a 3D graphics apparatus using a stored texture image with displacement information, **comprising** :
a texture memory for **storing** **color** information of a surface of at least **one** **object** and displacement information for said at least one object;
texture memory reading means for reading out the...

...CLAIMS A1
1. A 3D graphics apparatus using a stored texture image with displacement information, **comprising** :
a texture memory (27) for **storing** **color** information of a surface of at least **one** **object** and displacement information for said at least one object;
texture memory reading means (29) for reading out...

9/3,K/18 (Item 18 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00629686
Rendering an image
Bilddarstellung
Rendu d'image
PATENT ASSIGNEE:
PHILIPS ELECTRONICS UK LIMITED, (215201), 420-430 London Road, Croydon CR9 3QR, GB\(Proprietor designated states: , GB)
Koninklijke Philips Electronics N.V., (200769), Groenewoudseweg 1, 5621 BA Eindhoven, NL\(Proprietor designated states: , DE; FR; IT)
INVENTOR:
Penna, David Edward, c/o Philips Research Laboratories, Cross Oak Lane, Redhill, Surrey RH1 5HA, (GB)
LEGAL REPRESENTATIVE:
White, Andrew Gordon et al (73162), Philips Electronics UK Limited, Patents and Trade Marks Department, Cross Oak Lane, Redhill, Surrey RH1 5HA, (GB)
PATENT (CC, No, Kind, Date): EP 613099 A1 940831 (Basic)
EP 613099 B1 020522
APPLICATION (CC, No, Date): EP 94200150 940121;
PRIORITY (CC, No, Date): GB 9301661 930128
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: G06T-015/50
ABSTRACT WORD COUNT: 127
NOTE:
Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	712
CLAIMS B	(English)	200221	748
CLAIMS B	(German)	200221	708
CLAIMS B	(French)	200221	793
SPEC A	(English)	EPABF2	5212
SPEC B	(English)	200221	5156
Total word count - document A			5924
Total word count - document B			7405
Total word count - documents A + B			13329

...SPECIFICATION and light source models vary according to the scene being displayed.
Whereas the texture memory 602 has **stored** within it surface **colour** patterns for **one** or more **objects** , the light source look-up memory has stored within it a look-up table of illumination intensity...

...SPECIFICATION and light source models vary according to the scene being displayed.
Whereas the texture memory 602 has **stored** within it surface **colour** patterns for **one** or more **objects** , the light source look-up memory has stored within it a look-up table of illumination intensity...

9/3,K/21 (Item 21 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00405175
Natural language analyzing apparatus and method.
Vorrichtung und Verfahren zur Analysierung von naturlicher Sprache.
Dispositif et procede d'analyse de langage naturel.
PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)
INVENTOR:
Hedin, Erik Bertil, Kostervagen 10 n.b., S-181 35 Lidingo, (SE)
Jonsson, Gregor I., Tallstigen 3, S-818 62 Lidingo, (SE)
Olsson, Lars Erik, Sorogatan 19, S-164 41 Kista, (SE)
Sanamrad, Mohammad A., Lojovagen 52, S-181 47 Lidingo, (SE)
Westling, Sven Olof Gunnar, Falkstigen 79, S-182 75 Stocksund, (SE)
LEGAL REPRESENTATIVE:
Johansson, Lars E. et al (23225), IBM Svenska AB Intellectual Property Department 4-01, S-163 92 Stockholm, (SE)
PATENT (CC, No, Kind, Date): EP 387226 A1 900912 (Basic)
APPLICATION (CC, No, Date): EP 90850095 900305;
PRIORITY (CC, No, Date): SE 89774 890306
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE
INTERNATIONAL PATENT CLASS: G06F-015/38; G06F-015/40;
ABSTRACT WORD COUNT: 193

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1268
SPEC A	(English)	EPABF1	5421
Total word count - document A			6689
Total word count - document B			0
Total word count - documents A + B			6689

...SPECIFICATION or several terms in natural language, and that the same term may be connected to more than **one entity** (**concept**).
The above definitions are **stored** as logical facts as a part of the conceptual schema (cf EXAMPLE II):
EXAMPLE III:
image(e1...

9/3,K/25 (Item 25 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00298542
Method and apparatus for representing three-dimensional color data in a one-dimensional reference system.
Verfahren und Einrichtung zur Darstellung dreidimensionaler Farbdaten in einem eindimensionalen Bezugssystem.
Procede et appareil pour l'affichage de donnees des couleurs a trois dimensions dans un systeme de reference a une dimension.
PATENT ASSIGNEE:
TEKTRONIX, INC., (463985), Howard Vollum Park 14150 SW Karl Braun Drive P.O. Box 500, Beaverton Oregon 97219, (US), (applicant designated states: DE;FR;GB;NL)
INVENTOR:
Dalrymple, John Charles, 7108 S.W. 12th Avenue, Portland Oregon 97219, (US)
Bigger, Scott William, 8890 SW Scheckla, Tigard Oregon 97224, (US)
LEGAL REPRESENTATIVE:
Liesegang, Roland, Dr.-Ing. (7741), FORRESTER & BOEHMERT Franz-Joseph-Strasse 38, W-8000 Munchen 40, (DE)
PATENT (CC, No, Kind, Date): EP 313789 A1 890503 (Basic)
EP 313789 B1 921125
APPLICATION (CC, No, Date): EP 88115124 880915;
PRIORITY (CC, No, Date): US 113030 871026
DESIGNATED STATES: DE; FR; GB; NL
INTERNATIONAL PATENT CLASS: G09G-001/28; H04N-005/262; H04N-009/74;
ABSTRACT WORD COUNT: 170

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	298

CLAIMS B	(German)	EPBBF1	270
CLAIMS B	(French)	EPBBF1	390
SPEC B	(English)	EPBBF1	2493
Total word count - document A			0
Total word count - document B			3451
Total word count - documents A + B			3451

...SPECIFICATION which, when referenced subsequently by a single index-type address, produces the original user-specified values).
As **shown** in Table **I** , **one** set of displayable primary color levels may be: (see image in original document)
The five quantization levels...

9/3,K/35 (Item 35 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00255126
Method and system for solid modelling.
Verfahren und System zur Festkorpermodellierung.
Methode et systeme de modelisation d'objets solides.
PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)
INVENTOR:
Quarendon, Peter, Worsley Lodge Braishfield, Romsey Hampshire, SO51 0QF, (GB)
LEGAL REPRESENTATIVE:
Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 262304 A2 880406 (Basic)
EP 262304 A3 900912
EP 262304 B1 940420
APPLICATION (CC, No, Date): EP 87108647 870616;
PRIORITY (CC, No, Date): GB 8621257 860903
DESIGNATED STATES: BE; CH; DE; ES; FR; GB; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS: G06F-015/72;
ABSTRACT WORD COUNT: 154

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	948
CLAIMS B	(German)	EPBBF1	976
CLAIMS B	(French)	EPBBF1	1037
SPEC B	(English)	EPBBF1	5106
Total word count - document A			0
Total word count - document B			8067
Total word count - documents A + B			8067

...SPECIFICATION sub-division of the box which represents world space are tested for intersection against the primitives of **the object** by, for **each** sub-box and **primitive** being tested for intersection, traversing the structure defining the object to the functional definition of that primitive...

9/3,K/36 (Item 36 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00243760
A method of generating and processing models of two-dimensional or three-dimensional objects in a computer and of reproducing said models on a display.
Verfahren zur Erzeugung und Verarbeitung von zweidimensionalen oder

dreidimensionalen Modellen und zur Wiedergabe der genannten Modelle auf einem Anzeigegerat.

Procede de creation et traitement de modeles en deux ou trois dimensions dans un ordinateur et de reproduction desdits modeles sur un ecran.

PATENT ASSIGNEE:
Oce-Nederland B.V., (241031), St. Urbanusweg 43, NL-5914 CC Venlo, (NL), (applicant designated states: DE;FR;GB;NL)

INVENTOR:
Oosterholt, Ron Hermanus Theodorus, Parade 80 b, NL-5911 CE Venlo, (NL)

LEGAL REPRESENTATIVE:
Hanneman, Henri W.A.M. (49472), Oce-Nederland B.V. Patents and Information Postbus 101, NL-5900 MA Venlo, (NL)

PATENT (CC, No, Kind, Date): EP 241071 A1 871014 (Basic)
EP 241071 B1 920102

APPLICATION (CC, No, Date): EP 87200510 870320;

PRIORITY (CC, No, Date): NL 86831 860402

DESIGNATED STATES: DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: G06F-015/72; G06F-015/60;

ABSTRACT WORD COUNT: 254

LANGUAGE (Publication,Procedural,Application): English; English; Dutch

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1242
CLAIMS B	(German)	EPBBF1	684
CLAIMS B	(French)	EPBBF1	826
SPEC B	(English)	EPBBF1	5981
Total word count - document A			0
Total word count - document B			8733
Total word count - documents A + B			8733

...SPECIFICATION known as a user-interface.
One of the objects of the user-interface is that the object **represented** in the computer in the form of **abstract** models **should** be displayed **to** the user in clear and conveniently arranged forms. Another important object is to give the user facilities...

9/3,K/40 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

00893509 **Image available**

METHOD FOR AUTOMATED TWO-DIMENSIONAL AND THREE-DIMENSIONAL CONVERSION

PROCEDE DE CONVERSION AUTOMATIQUE A DEUX ET TROIS DIMENSIONS

Patent Applicant/Assignee:
ORASEE CORP, 4850 River Green Parkway, Duluth, GA 30096, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:
KARSZES William M, 2720 Roxburgh Drive, Rosewell, GA 30076, US, US (Residence), US (Nationality), (Designated only for: US)
NIMS Jerry C, 7530 S. Spalding Lake Drive, Atlanta, GA 30050, US, US (Residence), US (Nationality), (Designated only for: US)
PETERS Paul F, 3716 Castle View Court, Suwanee, GA 30024, US, US (Residence), US (Nationality), (Designated only for: US)
BRINGHAM Tom, 75 Warren Street, New York, NY 10007, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:
STEIN Laurence E (agent), Patton Boggs LLP, 2550 M Street, N.W., Washington, DC 20037, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200227667 A1 20020404 (WO 0227667)
Application: WO 2001US28563 20010914 (PCT/WO US0128563)
Priority Application: US 2000232410 20000914

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ

EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 2204

Fulltext Availability:
Detailed Description
Claims

Detailed Description
... next
step receives a border refinement command having
parameters for generating a final border for at least **one**
of the **objects** , the parameters being from a group
consisting of one or more of **color** , noise frequency, and
edge softness.

[00061 A following step of the first example embodiment
segments the image...

Claim
... step
of receiving a border refinement command having parameters
for generating a final border for at least **one** of the
objects , the parameters being from a group **consisting** -of one
or more of **color** , noise frequency, and edge softness, and
wherein said segmentation is performed at least on part on
aid...

9/3,K/44 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00838280 **Image available**
METHOD AND SYSTEM FOR COMBINING CONFIGURATION PARAMETERS FOR AN ENTITY PROFILE
ORGANISATION ET COMBINAISON D'UNE HIERARCHIE DE PARAMETRES DE CONFIGURATION POUR PRODUIRE UN PROFIL D'ENTITE D'UNE ENTITE ASSOCIEE A UN RESEAU DE COMMUNICATION
Patent Applicant/Assignee:
PINGTEL CORPORATION, Suite 2200, 400 West Cummings Park, Woburn, MA 01801 , US, US (Residence), US (Nationality)
Inventor(s):
SCHAAF Richard W, 583 North Road, Sudbury, MA 01776, US,
PETRIE Daniel G, 34 Robbins Road, Arlington, MA 02476, US,
Legal Representative:
MCLOUGHLIN Daniel P (agent), Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200171979 A2-A3 20010927 (WO 0171979)
Application: WO 2001US9011 20010320 (PCT/WO US0109011)
Priority Application: US 2000190613 20000320
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 23463

Fulltext Availability:
Detailed Description

Detailed Description
... with the entity. Such determination may be made in a variety of ways. For example, a persisted **abstraction representing** the user, for example, **one** or more **objects** of an object-oriented database or one or more tables or table entries of a relational database...
...the entity belongs, but also may define the CPSs corresponding to these entity groups such that each **abstraction representing one** of the **entity** groups does not have to be accessed individually to determine the CPSs corresponding to these entity groups...

9/3,K/60 (Item 22 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00565067 **Image available**
SYSTEMS AND METHODS FOR INTEROPERABLE MULTIMEDIA CONTENT DESCRIPTIONS
SYSTEMES ET PROCEDES DESTINES AUX DESCRIPTIONS DE CONTENUS DE MULTIMEDIAS INTEROPERABLES
Patent Applicant/Assignee:
THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OFNEW YORK,
PAEK Seungyup,
BENITEZ Ana,
CHANG Shih-Fu,
Inventor(s):
PAEK Seungyup,
BENITEZ Ana,
CHANG Shih-Fu,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200028440 A1 **20000518** (WO 0028440)
Application: WO 99US26125 19991105 (PCT/WO US9926125)
Priority Application: US 98107463 19981106
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 13253

Patent and Priority Information (Country, Number, Date):
Patent: ... **20000518**
Fulltext Availability:
Claims
Publication Year: **2000**

Claim
... the group consisting of text annotations, shot transition, camera motion, time and key frame, and wherein said **one** or more **object** feature descriptions are selected from the group **consisting** of **color** . texture, shape, size, position, motion, and time.

12 The system of claim 9, wherein said object hierarchy...the group consisting of text annotations, shot transition, camera motion, time and key frame, and wherein said **one** or more **object** feature descriptions

are selected from the group **consisting** of **color** , texture, shape, size, position, motion, and time.

28 The method of claim 25, wherein. said step of...the group consisting of text annotations, shot transition, camera motion, time and key frame, and wherein said **one** or more **object** feature descriptions are selected from the group **consisting** of **color** , texture, shape, size, position, motion, and time..

40 The computer readable media of claim 38, wherein said...

9/3,K/62 (Item 24 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00549770 **Image available**
METHOD AND DEVICE FOR DETECTING COLOURS OF AN OBJECT
PROCEDE ET DISPOSITIF DE DETECTION DES COULEURS D'UN OBJET
Patent Applicant/Assignee:
MAX-PLANCK-GESELLSCHAFT ZUR FoRDERUNG DER WISSENSCHAFTEN E V,
HUB Andreas,
FROMHERZ Peter,
Inventor(s):
HUB Andreas,
FROMHERZ Peter,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200013143 A1 **20000309** (WO 0013143)
Application: WO 99EP6240 19990825 (PCT/WO EP9906240)
Priority Application: DE 19838806 19980826
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: German
Fulltext Word Count: 9246

Patent and Priority Information (Country, Number, Date):
Patent: ... **20000309**

English Abstract
...comprises the following steps: capture of data or an image, whereby image data are determined from a **representation** of a scene; and classification of the **colours** of at least **one** predefined **object** found in said scene to determine a perceived object colour. A mean colour parameter, which is essentially...
Publication Year: **2000**

9/3,K/63 (Item 25 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00514131 **Image available**
METHOD AND SYSTEM FOR GENERATING SEMANTIC VISUAL TEMPLATES FOR IMAGE AND VIDEO RETRIEVAL
SYSTEME ET PROCEDE DE GENERATION DE GABARITS SEMANTIQUES VISUELS POUR L'EXTRACTION D'IMAGES ET DE VIDEO
Patent Applicant/Assignee:
THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK,
CHANG Shih-Fu,
CHEN William,
SUNDARAM Hari,

Inventor(s):
CHANG Shih-Fu,
CHEN William,
SUNDARAM Hari,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9945483 A1 **19990910**
Application: WO 99US4776 19990304 (PCT/WO US9904776)
Priority Application: US 9876781 19980304
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA JP KR US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 5675

Patent and Priority Information (Country, Number, Date):
Patent: ... **19990910**
Fulltext Availability:
Detailed Description
Publication Year: **1999**

Detailed Description
... texture attribute of the background is non-mandatory, and both are more relevant than other attributes. Some **concepts** may needjust **one object** to **represent** the global attributes of the scene.

Fig. 5 shows several potential icons for "high jump", and Fig...

9/3,K/64 (Item 26 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00494818 **Image available**
OBJECT REFERENCES FOR SHARING METADATA IN DATA MARTS
REFERENCES D'OBJETS POUR LE PARTAGE DE METADONNEES EN MARCHES DE DONNEES
Patent Applicant/Assignee:
INFORMATICA CORPORATION,
Inventor(s):
ZAMANIAN M S Kiumarse,
NESAMONEY Diaz,
CHANDRA Parth S,
GUPTA Sanjeev,
PANCHA Girish,
TAYLOR Jeffrey B,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9926170 A1 **19990527**
Application: WO 98US18766 19980909 (PCT/WO US9818766)
Priority Application: US 97970950 19971114
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA JP SG AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 5834

Patent and Priority Information (Country, Number, Date):
Patent: ... **19990527**
Fulltext Availability:
Detailed Description
Publication Year: **1999**

Detailed Description
... metadata is through the use of "object references." In general, each of these repositories 201-205 contain **one** or more **objects** .

An object is defined as the **abstraction** for **representing** fundamental data warehousing **concepts** , such as source definitions, target tables,

17/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01083375
PRIORITY-BASED VIRTUAL ENVIRONMENT
AUF PRIORITAT BASIERTE VIRTUELLE UMGEBUNG
ENVIRONNEMENT VIRTUEL BASE SUR LA PRIORITE
PATENT ASSIGNEE:
Koninklijke Philips Electronics N.V., (200769), Groenewoudseweg 1, 5621 BA Eindhoven, (NL), (Proprietor designated states: all)
INVENTOR:
CHENG, Doreen, Y., Prof. Holstlaan 6, NL-5656 AA Eindhoven, (NL)
LEGAL REPRESENTATIVE:
Faessen, Louis Marie Hubertus (19891), INTERNATIONAAL OCTROOIBUREAU B.V., Prof. Holstlaan 6, 5656 AA Eindhoven, (NL)
PATENT (CC, No, Kind, Date): EP 978026 A2 000209 (Basic)
EP 978026 B1 030102
WO 99042918 990826
APPLICATION (CC, No, Date): EP 99902760 990218; WO 99IB299 990218
PRIORITY (CC, No, Date): US 27459 980221
DESIGNATED STATES: DE; FR; GB; IE
INTERNATIONAL PATENT CLASS: G06F-003/00
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200301	536
CLAIMS B	(German)	200301	549
CLAIMS B	(French)	200301	547
SPEC B	(English)	200301	33492
Total word count - document A			0
Total word count - document B			35124
Total word count - documents A + B			35124

...SPECIFICATION in the relevant list 316, 318. The participant 306 preferably is also enabled to move a concept **object** from one list to another, and/or to delete a concept **object** from a **list** .
In one embodiment, the concept **hierarchy** 310 preferably organizes its concepts in levels. The top level of the hierarchy 310 **contains** most general, root **concepts** . Traversing to lower levels of the hierarchy provides progressively specific concepts, the traversing preferably being subject to...in the relevant list 316, 318. The participant 306 preferably is also enabled to move a concept **object** from one list to another, and/or to delete a concept **object** from a **list** .
In one embodiment, the concept **hierarchy** 310 preferably organizes its concepts in levels. The top level of the hierarchy 310 **contains** most general, root **concepts** . Traversing to lower levels of the hierarchy provides progressively specific concepts, the traversing preferably being subject to...

17/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00674628
Method for automatically restoring consistency in a hierarchical object structure in a computer after a user interaction, and computer comprising such a system
Verfahren zur automatischen Wiederherstellung der Konsistenz einer hierarchischen Objektstruktur in einem Computer nach Bedienereingriff und Computer mit einem derartigen System
Procede pour retablir automatiquement la coherence d'une structure hierarchique d'objets dans un ordinateur apres interaction avec un utilisateur, et ordinateur comprenant un tel systeme
PATENT ASSIGNEE:

Koninklijke Philips Electronics N.V., (1489041), Groenewoudseweg 1, 5621 BA Eindhoven, (NL), (Proprietor designated states: all)
INVENTOR:
Augusteijn, Alexander, c/o Int. Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven, (NL)
LEGAL REPRESENTATIVE:
Groenendaal, Antonius Wilhelmus Maria (59381), INTERNATIONAAL OCTROOIBUREAU B.V., Prof. Holstlaan 6, 5656 AA Eindhoven, (NL)
PATENT (CC, No, Kind, Date): EP 646862 A1 950405 (Basic)
EP 646862 B1 010404
APPLICATION (CC, No, Date): EP 94202669 940916;
PRIORITY (CC, No, Date): BE 931002 930924
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: G06F-009/44
ABSTRACT WORD COUNT: 135
NOTE:
Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	600
CLAIMS B	(English)	200114	595
CLAIMS B	(German)	200114	546
CLAIMS B	(French)	200114	645
SPEC A	(English)	EPAB95	3832
SPEC B	(English)	200114	3815
Total word count - document A			4433
Total word count - document B			5601
Total word count - documents A + B			10034

...SPECIFICATION the updating of the image displayed.
Fig. 2 shows the conventional updating of a display. In this **abstract** Figure the data structure is **represented** by a triangle 26 and the screen by the indication 24; **objects** in the data **structure** are linked by **hierarchical** relations, each relation consisting of a coupling between one or more objects at a given level and...

...SPECIFICATION the updating of the image displayed.
Fig. 2 shows the conventional updating of a display. In this **abstract** Figure the data structure is **represented** by a triangle 26 and the screen by the indication 24; **objects** in the data **structure** are linked by **hierarchical** relations, each relation consisting of a coupling between one or more objects at a given level and...

17/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00664061
Method for dynamically maintaining multiple structural interpretations in graphics system
Verfahren zur dynamischen Beibehaltung mehrfacher struktureller Interpretationen in einem Grafiksystem
Procede pour soutenir dynamiquement des interpretations structurelles multiples dans un systeme graphique
PATENT ASSIGNEE:
XEROX CORPORATION, (219783), Xerox Square, Rochester, New York 14644, (US), (Proprietor designated states: all)
INVENTOR:
Saund, Eric, 2635 San Carlos Avenue, San Carlos, CA 94070, (US)
Moran, Thomas Patrick, 1037 Greenwood Avenue, Palo Alto, CA 94301, (US)
Becker, Craig David, 785 Barron Avenue, Palo Alto, CA 94306, (US)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 637812 A2 950208 (Basic)

EP 637812 A3 960904
EP 637812 B1 001115
APPLICATION (CC, No, Date): EP 94305717 940802;
PRIORITY (CC, No, Date): US 101646 930804
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06T-011/00
ABSTRACT WORD COUNT: 167
NOTE:
Figure number on first page: 3B

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200046	956
CLAIMS B	(German)	200046	951
CLAIMS B	(French)	200046	1097
SPEC B	(English)	200046	6385
Total word count - document A			0
Total word count - document B			9389
Total word count - documents A + B			9389

17/3,K/9 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00903298 **Image available**
sUSINESS ASSET MANAGEMENT SYSTEM
SYSTEME DE GESTION D'ACTIFS COMMERCIAUX
Patent Applicant/Assignee:
TRIRIGA Inc, 4285 S. Polaris Avenue, Las Vegas, NV 89103, US, US (Residence), US (Nationality)
Inventor(s):
NICASTRO Cherisse M, 10725 Del Rudini, Las Vegas, NV 89141, US,
WUCHERER Thomas A, 10249 Red Bridge Avenue, Las Vegas, NV 89134, US,
NISBET Todd W, 1813 Cedar Flat Lane, Las Vegas, NV 89134, US,
MARNELL II Anthony A, 7011 South Pecos Road, Las Vegas, NE 89120, US,
MARNELL III Anthony A, 2223 Vista Famosa Court, Las Vegas, NV 89123, US,
SPENCER Herman, 6843 Vintage Highlands Lane, Las Vegas, NV 89110, US,
Patent Applicant/Inventor:
NICASTRO Cherisse M, 10725 Del Rudini, Las Vegas, NV 89141, US, US (Residence), US (Nationality), (Designated only for: US)
WUCHERER Thomas A, 10249 Red Bridge Avenue, Las Vegas, NV 89134, US, US (Residence), US (Nationality), (Designated only for: US)
NISBET Todd W, 1813 Cedar Flat Lane, Las Vegas, NV 89134, US, US (Residence), US (Nationality), (Designated only for: US)
MARNELL II Anthony A, 7011 South Pecos Road, Las Vegas, NE 89120, US, US (Residence), US (Nationality), (Designated only for: US)
MARNELL III Anthony A, 2223 Vista Famosa Court, Las Vegas, NV 89123, US, US (Residence), US (Nationality), (Designated only for: US)
SPENCER Herman, 6843 Vintage Highlands Lane, Las Vegas, NV 89110, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
VIERRA Larry E (agent), Vierra Magen Marcus Harmon & DeNiro LLP, 685 Market Street, Suite 540, San Francisco, CA 94105, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200237394 A2 20020510 (WO 0237394)
Application: WO 2001US47965 20011030 (PCT/WO US0147965)
Priority Application: US 2000244492 20001030; US 2000244493 20001030; US 2000244457 20001030; US 2000244485 20001030; US 2000246276 20001106; US 2000246275 20001106
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 31435

Fulltext Availability:
Detailed Description

Detailed Description
... set up a virtual area 808. Each
project has a virtual area. The "Virtual Area" is a **concept** for
organizing and **representing** a three-dimensional physical space as a
twodimensional **hierarchical** **structure** . It refers to the physical
breakdown of
a property or designed **object** . Virtual Areas are used throughout the
system to organize a project and assign security permissions,
specification counts...

17/3,K/10 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00885035 **Image available**
METHOD AND APPARATUS FOR DIGITAL MEDIA MANAGEMENT, RETRIEVAL, AND COLLABORATION
PROCEDE ET DISPOSITIF UTILES POUR LA GESTION, L'EXTRACTION ET LE PARTAGE DE CONTENUS NUMERIQUES
Patent Applicant/Assignee:
EMOTION INC, 2600 Park Tower Drive, suite 600, Vienna, VA 22180, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
FLANK Sharon, eMotion, Inc., 2600 Park Tower Drive, Vienna, VA 22180, US, US (Residence), US (Nationality), (Designated only for: US)
SPERER Ruth, Ha'Shoftim 7, Apt. 45, 46447 Hertzlia, IL, IL (Residence), IL (Nationality), (Designated only for: US)
FORBES David Ian, 2851 Woodlawn Avenue, Falls Church, VA 22041, US, US (Residence), US (Nationality), (Designated only for: US)
KLEIN Ed, eMotion, Inc., 2600 Park Tower Drive, Vienna, VA 22180, US, US (Residence), US (Nationality), (Designated only for: US)
ST JEAN Randy, eMotion, Inc., 2600 Park Tower Drive, Vienna, VA 22180, US , US (Residence), US (Nationality), (Designated only for: US)
ROMER Donna, 2111 Welch St #B-301, Houston, TX 77019, US, US (Residence), US (Nationality), (Designated only for: US)
ROTHEY James, 5542 Falmead Road, Fairfax, VA 22032, US, US (Residence), US (Nationality), (Designated only for: US)
GRIFFIN Robert, eMotion, Inc., 2600 Park Tower Drive, Vienna, VA 22180, US, US (Residence), US (Nationality), (Designated only for: US)
SIMONSEN Keith, 632 Massachusetts Ave NE #1, Washington, DC 20002, US, US (Residence), US (Nationality), (Designated only for: US)
EHLERS Gerald, eMotion, Inc., 2600 Park Tower Drive, Vienna, VA 22180, US , US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
OPPEDAHL Carl (agent), Oppedahl & Larson LLP, P.O. Box 5068, Dillon, CO 80435-5068, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200219147 A1 20020307 (WO 0219147)
Application: WO 2001US26841 20010828 (PCT/WO US0126841)
Priority Application: US 2000228837 20000828
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 12223

Fulltext Availability:
Detailed Description

Detailed Description
... top of the list. In an exemplary system, the searcNng is implemented by first building a B- **tree** of IID **lists** , one for each concept in the text database.

The ED lists have an entry for each **object** whose text **contains** a reference to a given **concept** .

An entry **consists** of an object ED and a weight. The object ID provides a unique identifier and is a...

17/3,K/16 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00128236
HIERARCHICAL KNOWLEDGE SYSTEM
SYSTEME DE CONNAISSANCES HIERARCHIQUE
Patent Applicant/Assignee:
TEKNOWLEDGE INC,
Inventor(s):
BENNETT James S,
LARK Jay S,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8600735 A1 **19860130**
Application: WO 85US1092 19850610 (PCT/WO US8501092)
Priority Application: US 84817 19840709
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AT BE CH DE FR GB IT JP LU NL SE
Publication Language: English
Fulltext Word Count: 32306

Patent and Priority Information (Country, Number, Date):
Patent: ... **19860130**
Fulltext Availability:
Detailed Description
Publication Year: **1986**

Detailed Description
... necessary indexing chores.

In addition to production rules, the knowledge base for an EMYCIN system includes a **hierarchical structure** called a "context **tree** ." The elemental **representation** of an **object** or **idea** is defined as a context-parameter-value triple, The context refers generally to an instance of a...

32/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01383064
Unified data type system and method
Vereinheitlichtes Datentypsystem und Verfahren
Systeme et methode de type de donnees unifie
PATENT ASSIGNEE:
MICROSOFT CORPORATION, (749861), One Microsoft Way, Redmond, Washington 98052-6399, (US), (Applicant designated States: all)
INVENTOR:
Bossworth, George H., 19830 NE 123rd Court, Woodinville, Washington 98072, (US)
Dussud, Patrick H., 6008 142nd Court SE, Bellevue, Washington 98006, (US)
Miller, James S., 17213 NE 4th Place, Bellevue, Washington 98008, (US)
Olander, Daryl B., 720 Juniper Ave., Boulder, Colorado 80304, (US)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1174791 A2 020123 (Basic)
APPLICATION (CC, No, Date): EP 2001116860 010710;
PRIORITY (CC, No, Date): US 613289 000710; US 614158 000711
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-009/44; G06F-009/45
ABSTRACT WORD COUNT: 125
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200204	408
SPEC A	(English)	200204	9817
Total word count - document A			10225
Total word count - document B			0
Total word count - documents A + B			10225

...SPECIFICATION certain types of programming errors, but the rules seemed to be too restrictive.
With the advent of **object** oriented programming languages, the **concept** of data types took on new meaning. In **object** oriented languages, **objects** may typically be **represented** by an object class **hierarchy** , where some objects are derived from (or inherit) fields (also referred to as properties) and methods from...

32/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01132081
Structured image (SI) format for describing complex colour raster images
Strukturiertes Bildformat zur Beschreibung eines Komplexfarbrasterbilds
Format d'image structure pour la description d'images en trame complexes en couleur
PATENT ASSIGNEE:
Xerox Corporation, (219788), Xerox Square - 20A, 100 Clinton Avenue South, Rochester, New York 14644, (US), (Applicant designated States: all)
INVENTOR:
Venable, Dennis L., 4353 Dormedy Hill Road, Marion New York 14505, (US)
Campanelli, Michael R., 1105 Marigold Drive, Webster, NY 14580, (US)
Bollman, James E., 3323 Eaton Road, Williamson, NY 14589, (US)
Nagao, Takashi, c/o Fuji Xerox Co.,Ltd., 430 Sakai, Nakai-machi, Ashigarakami-gun, Kanagawa 259-0157, (JP)
Fuss, William A., 777 Latta Road, Rochester, NY 14612, (US)

Yamada, Toshiya, 975-2-203 Kashiwagaya, Ebina, Kanagawa 243-04, (JP)
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PATENT (CC, No, Kind, Date): EP 989522 A2 000329 (Basic)
EP 989522 A3 000719
APPLICATION (CC, No, Date): EP 99124093 941006;
PRIORITY (CC, No, Date): US 133422 931008
DESIGNATED STATES: DE; ES; FR; GB; IT
EXTENDED DESIGNATED STATES: LT; SI
RELATED PARENT NUMBER(S) - PN (AN):
EP 647921 (EP 94307326)
INTERNATIONAL PATENT CLASS: G06T-011/60
ABSTRACT WORD COUNT: 160
NOTE:
Figure number on first page: 18

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200013	1819
SPEC A	(English)	200013	8334
Total word count - document A			10153
Total word count - document B			0
Total word count - documents A + B			10153

...SPECIFICATION etc.) that will automatically change color, cropping, special effects, and so forth.

F. Conclusion
The foregoing inventive **concept** allows for the **representation** of complex color raster images as a collection of **objects** in a **hierarchial** and device independent format. Objects contributing to the output raster may originate from text, graphics, other rasters...

32/3,K/13 (Item 13 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00803821
Method and apparatus for representing knowledge about entities
Verfahren und Gerat zur Darstellung von Wissen uber Einheiten
Methode et appareil pour representer une connaissance portant sur des entites
PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
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LEGAL REPRESENTATIVE:
Teufel, Fritz, Dipl.-Phys. (11855), IBM Deutschland Informationssysteme GmbH, Patentwesen und Urheberrecht, 70548 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 747847 A2 961211 (Basic)
EP 747847 A3 981014
APPLICATION (CC, No, Date): EP 96108897 960604;
PRIORITY (CC, No, Date): US 472414 950607
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-017/60; G06F-017/50;
ABSTRACT WORD COUNT: 167

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count

CLAIMS A	(English)	EPAB96	933
SPEC A	(English)	EPAB96	7011
Total word count - document A			7944
Total word count - document B			0
Total word count - documents A + B			7944

...SPECIFICATION called "concepts". Polymorphism means that an operation may operate differently on different concepts. Finally, inheritance refers to **concepts** inheriting attributes and operations based on a **hierarchical** relationship. Booch discusses additional aspects of **object** -oriented analysis and design.

Constraint satisfaction techniques are a method of **representing** inter- or intra- **concept** relationships among attributes. Intra-concept attribute constraints represent relationships that constrain the values of attributes that are...

32/3,K/20 (Item 20 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

00588069

Method for storing of objects

Verfahren um Gegenstande zu speichern

Procede pour stocker des objets

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 578204 A2 940112 (Basic)
EP 578204 A3 940323
EP 578204 B1 990414

APPLICATION (CC, No, Date): EP 93110796 930706;

PRIORITY (CC, No, Date): US 909533 920706

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-017/00; G06F-017/30;

ABSTRACT WORD COUNT: 109

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9915	66
CLAIMS B	(German)	9915	70
CLAIMS B	(French)	9915	81
SPEC B	(English)	9915	9745
Total word count - document A			0
Total word count - document B			9962
Total word count - documents A + B			9962

...SPECIFICATION other than the one used to create the compound document. (The reference Budd, T., "An Introduction to **Object** -Oriented programming," Addison-Wesley Publishing Co., Inc., 1991, provides an introduction to **object** -oriented **concepts** and terminology.) The

object hierarchy allows **objects** to **contain** subobjects to an arbitrary nesting level. The object **hierarchy** is analogous to the typical file system **hierarchy** . The present invention provides two abstract classes for manipulating objects within an object **hierarchy** . The first abstract class is referred to as the IStorage interface. The IStorage interface provides methods for...

...streams of each object into the single file system stream. In addition, the present invention allows each **object** to have multiple streams. An **object** is **conceptually stored** in a storage instance and its data is **stored** in one or more stream or storage instances within the storage.
Figure 1 is an object **hierarchy** for a sample compound document. The IStorage instances are indicated by the oblong blocks, and the IStream...

32/3,K/23 (Item 23 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00324379
Conceptual design tool
Entwurfwerkzeug
Outil de conception
PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
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Witt, Philipp R., 1003 Southern Pines Drive, Endicott N.Y. 13760, (US)
LEGAL REPRESENTATIVE:
Tubiana, Max (18841), Compagnie IBM France Departement de Propriete Industrielle, F-06610 La Gaude, (FR)
PATENT (CC, No, Kind, Date): EP 314594 A2 890503 (Basic)
EP 314594 A3 910116
EP 314594 B1 960313
APPLICATION (CC, No, Date): EP 88480026 880913;
PRIORITY (CC, No, Date): US 113694 871028
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: G06F-017/60;
ABSTRACT WORD COUNT: 128

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	456
CLAIMS B	(English)	EPAB96	387
CLAIMS B	(German)	EPAB96	372
CLAIMS B	(French)	EPAB96	450
SPEC A	(English)	EPABF1	4263
SPEC B	(English)	EPAB96	4387
Total word count - document A			4719
Total word count - document B			5596
Total word count - documents A + B			10315

...SPECIFICATION assembly and works downward, filling in details of the subordinate subassemblies and parts. In this approach, a **hierarchical representation** of the design **object** is built and refined. As a design **concept** is refined, design constraints are communicated down the **hierarchy** . Evaluation of the design concept at each level of refinement may cause feedback to be passed up the **hierarchy** in the form of recommendations for design changes or requests to relax some design constraints.
This top...

...SPECIFICATION assembly and works downward, filling in details of the subordinate subassemblies and parts. In this approach, a **hierarchical representation** of the design **object** is built and refined. As a design **concept** is refined, design constraints are communicated down the

hierarchy .
Evaluation of the design concept at each level of refinement may cause feedback to be passed up the **hierarchy** in the form of recommendations for design changes or requests to relax some design constraints.
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32/3,K/41 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00753819 **Image available**
DISTRIBUTED HIERARCHICAL EVOLUTIONARY MODELING AND VISUALIZATION OF EMPIRICAL DATA
MODELISATION ET VISUALISATION DE DONNEES EMPIRIQUES DE FACON EVOLUTIVE, HIERARCHIQUE ET REPARTIE
Patent Applicant/Assignee:
E I DU PONT DE NEMOURS AND COMPANY, 1007 Market Street, Wilmington, DE 19898, US, US (Residence), US (Nationality)
Inventor(s):
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OWENS Aaron J, Silverbrook, 23 Lenape Lane, Newark, DE 19713, US,
WHITCOMB James Arthur, 1315 Country Club Road, Brevard, NC 28712, US,
Legal Representative:
MEDWICK George M (agent), E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200067200 A2-A3 **20001109** (WO 0067200)
Application: WO 2000US10425 20000419 (PCT/WO US0010425)
Priority Application: US 99131804 19990430; US 99466041 19991217
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AL AU BA BB BG BR CA CN CR CU CZ EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU ZA
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 28201

Patent and Priority Information (Country, Number, Date):
Patent: ... **20001109**
Fulltext Availability:
Detailed Description
Publication Year: **2000**

Detailed Description
TITLE
DISTRIBUTED **HIERARCHICAL** EVOLUTIONARY MODELING
AND VISUALIZATION OF EMPIRICAL DATA
FIELD OF THE INVENTION
The present invention combines the **concepts** of pictorial **representations** of data with **concepts** from information theory, to create a **hierarchy** of " **objects** ", e.g., features, models, frameworks, and super-frameworks. This invention relates to a method and a machine... art methods which are optimized for only one type of output variable (either continuous or discrete).

Distributed **Hierarchical** Evolution
The method described herein utilizes the concepts of pictorial **representations** of data, or multidimensional **representations** of data, with **concepts** from information theory, to create a **hierarchy** of " **objects** ", e. g., features, models, frameworks, and super-frameworks. The term "distributed **hierarchical** evolution" is defined as an evolutionary process in which groups of successively more complex interacting

evolutionary "objects...

32/3,K/72 (Item 46 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00163588 **Image available**
DATA PROCESS SYSTEM HAVING A DATA STRUCTURE WITH A SINGLE, SIMPLE PRIMITIVE
SYSTEME DE TRAITEMENT DE DONNEES AYANT UNE STRUCTURE DE DONNEES AVEC UNE SEULE PRIMITIVE SIMPLE
Patent Applicant/Assignee:
DIGITAL EQUIPMENT CORPORATION,
Inventor(s):
LOWRY Edward S,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8909972 A1 **19891019**
Application: WO 89US1542 19890413 (PCT/WO US8901542)
Priority Application: US 88105 19880413
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AT BE CH DE FR GB IT JP LU NL SE
Publication Language: English
Fulltext Word Count: 24226

Patent and Priority Information (Country, Number, Date):
Patent: ... **19891019**
Fulltext Availability:
Detailed Description
Publication Year: **1989**

Detailed Description
... which represent
signal elements,
The hierarhical arrangement of attribute data ob
jects gives rise to a "containment **tree** ," which is used to
contain the attribute data **objects** that collectively repre
sent **conceptual objects** , A containment **tree** of an attribute
data **object** , called the root attribute data **object** or root of
the containment **tree** , includes all attribute da:a object,
held by the root (i.e., directly held), as well as all
attribute data objects held by any other attribute data ob
jects in the containment **tree** (i.e., indirectly held). An
attribute data object held directly or indirectly by another
attribute data object is said to be " **contained** " by that other
attribute data **object** or in that other attribute data **object** 's
containment tree. In a containment tree, the **conceptual object**
represented by that tree corresponds to the root.
All other attribute data **objects** in the containment tree rep
resent **conceptual** sub- **objects** , such as components, listed
items, or relationships within the **conceptual object** repreOb sented
by the tree. The attribute data **objects** in a **contain**
ment tree may also **represent** relationships with attribute
data objects outside the containment **tree** ',
In Fig, 4. the containrnent **tree** for circuit element
430 would include gate elements 450 and 460, and the relation
data objects held...